



# भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

**BUREAU OF INDIAN STANDARDS**

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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## व्यापक परिचालन मसौदा

हमारा संदर्भ: सीईडी 46 /टी-5

10 फ़रवरी 2025

तकनीकी समिति: भारत की राष्ट्रीय भवन निर्माण विषय समिति, सीईडी 46

प्राप्तकर्ता :

1. सिविल अभियांत्रिकी विभाग परिषद, सीईडीसी के सभी सदस्य
2. राष्ट्रीय भवन निर्माण संहिता विषय समिति, सीईडी 46 के सभी सदस्य
3. सीईडी 46 की पैनल और अन्य कार्यदल के सभी सदस्य
4. रुचि रखने वाले अन्य निकाय।

महोदय/महोदया,

निम्नलिखित मानक का मसौदा संलग्न है:

प्रलेख संख्या	शीर्षक
सीईडी 46 (26776) WC	भारत की राष्ट्रीय भवन निर्माण संहिता भाग 5 भवन निर्माण सामग्री [SP7(भाग 5) का चौथा पुनरीक्षण] (आई सी एस नंबर: 01.120: 91.040.01)

कृपया इस मसौदे का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजे कि यह मसौदा प्रकाशित हो तो इस पर अमल करने में आपको व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

**सम्मतियाँ भेजने की अंतिम तिथि: 14 मार्च 2025**

सम्मति यदि कोई हो तो कृपया अधोहस्ताक्षरी को ई-मेल द्वारा [ced46@bis.gov.in](mailto:ced46@bis.gov.in) पर या उपरलिखित पते पर, संलग्न फ़ॉर्मेट में भेजें। सम्मतियाँ बीआईएस ई-गवर्नेंस पोर्टल, [www.manakonline.in](http://www.manakonline.in) के माध्यम से ऑनलाइन भी भेजी जा सकती हैं।

यदि कोई सम्मति प्राप्त नहीं होती है अथवा सम्मति में केवल भाषा संबंधी त्रुटि हुई तो उपरोक्त प्रलेख को यथावत अंतिम रूप दे दिया जाएगा। यदि सम्मति तकनीकी प्रकृति की हुई तो विषय समिति के अध्यक्ष के परामर्श से अथवा उनकी इच्छा पर आगे की कार्यवाही के लिए विषय समिति को भेजे जाने के बाद प्रलेख को अंतिम रूप दे दिया जाएगा।

यह प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है।  
धन्यवाद।

भवदीय

ह/-

(द्वैपायन भद्र)

वैज्ञानिक 'ई' एवं प्रमुख (सिविल अभियांत्रिकी विभाग)

संलग्न: उपरलिखित



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

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**WIDE CIRCULATION DRAFT**

Our Reference: CED 46/T-5

10 February 2025

**National Building Code of India Sectional Committee, CED 46**

**ADDRESSED TO:**

1. All Members of Civil Engineering Division Council, CEDC
2. All Members of the National Building Code Sectional Committee, CED 46
3. All Members of Panels and Working Groups under CED 46
4. All others interested

Dear Sir/Madam,

Please find enclosed the following draft:

Doc No.	Title
<b>CED 46 (26776) WC</b>	<b>National Building Code of India Part 5 Building Materials</b> [Fourth Revision of SP 7 (Part 5)] (ICS No. 01.120: 91.040.01)

Kindly examine the attached draft and forward your views stating any difficulties which you are likely to experience in your business or profession, if this is finally adopted as National Standard.

**Last Date for comments: 14 March 2025**

Comments if any, may please be made in the enclosed format and emailed at [ced46@bis.gov.in](mailto:ced46@bis.gov.in) or sent at the above address. Additionally, comments may be sent online through the BIS e-governance portal, [www.manakonline.in](http://www.manakonline.in).

In case no comments are received or comments received are of editorial nature, kindly permit us to presume your approval for the above document as finalized. However, in case comments, technical in nature are received, then it may be finalized either in consultation with the Chairman, Sectional Committee or referred to the Sectional Committee for further necessary action if so desired by the Chairman, Sectional Committee.

The document is also hosted on BIS website [www.bis.gov.in](http://www.bis.gov.in).

Thanking you,

Yours faithfully,

Sd/-

(Dwaipayan Bhadra)  
Scientist 'E' / Director & Head  
(Civil Engineering Department)

Encl: As above



**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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*Draft Indian Standard*

**National Building Code of India**

**Part 5 Building Materials**

[Fourth Revision of SP 7 (Part 5)]

(ICS No. 01.120: 91.040.01)

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**National Building Code Sectional  
Committee, CED 46**

**Last Date for Comments:  
14 March 2025**

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## National Building Code Sectional Committee, CED 46

### FOREWORD

This code (Part 5) lists Indian Standard specifications for materials used in building construction. The Indian Standards for methods of tests, to ensure the requirements demanded of the materials in the various situations, are also included. This is with a view to ensuring the quality and effectiveness of building materials used in the construction and of their storage, which are as important as other aspects of building activity like planning, designing and constructing the building itself.

Historically, choice of building materials was determined by what was locally available, appropriateness to geo-climatic conditions and affordability of users. In the recent past, different initiatives have been taken in the areas of research and development, standardization, and development and promotion of innovative materials. A review of the recent trends indicates that the growth in the area of building materials covers emerging trends and latest developments in the use of wastes, mineral admixtures in cement and concrete, substitutes to conventional timber, composite materials and recycling of wastes, at the same time ensuring desired response of materials in relation to fire safety, long term performance and durability. In addition to these, nowadays, development of specific materials is being researched which may be structured and designed to meet needs to specially developed construction technologies in time to come, such as, for disaster prone areas or aggressive climatic and industrial situations.

To encourage use of appropriate materials, it may be desirable to have to the largest extent possible, performance oriented approach for specifications rather than prescriptive approach. The approach has been already adopted in some cases in development of standards, wherever found possible.

Indian Standards cover the requirements for most of the materials in use. However, there may be a gap between development of new materials and techniques of application and formulation of standards. It, therefore, becomes necessary for a Building Code to be flexible to recognize building materials other than those for which Indian Standards are available. This Part of the Code, therefore, since its first version, duly takes care of this aspect and explicitly provides for use of new or alternate building materials, provided it is proved by authentic tests that the new or alternative material is effective and suitable for the purpose intended. However, it is worthwhile that more and more emphasis is given to the satisfaction of performance requirements expected of a building material, so that a wide range of such new or alternate materials can be evaluated and used, if found appropriate.

As already emphasized, quality of material is quite important for their appropriate usage, whether it is a material for which an Indian Standard is available or a new or alternative material as defined in 4 of this Part of the Code. While continuing to emphasize on conformity of building materials to available Indian Standards, this Part recommends that the building regulating authority may also recognize the use of building materials conforming to other specifications and test methods (see 4.2), in case Indian Standards are not available for particular materials. Third party certification schemes available in the country for quality assurance of above materials can be used with advantage to ensure the appropriateness of these materials.

It is well recognized that buildings during their construction and subsequently in their operation consume lot of resources. The holistic approach for ensuring proper and sustainable developments is to take care of the concerned aspects affecting sustainability during the conceptualization, planning, design, construction, and operation and maintenance stages. The building material production, transportation and utilization assume a substantial component of the embodied energy that goes into a building. It is therefore important that sustainability of building materials is well understood and ensured in a building project. This Part of the Code recognizes this aspect and covers appropriate provision therefore.

This Part of the Code was first published in 1970 and subsequently revised in 1983, 2005 and 2016 as Part 5 of NBC 2016. The first and second revision of this Part incorporated an updated version of the list of Indian Standards given at the end of this Part of the Code. Also the list of building materials was completely revised to make it more user-friendly. The third revision of this Part included a new clause on sustainable building materials, expanded the clause on new/alternative materials to provide examples of some potential new/alternative materials, reorganized some of the existing categories and added new categories either under the existing principal categories or as separate principal categories. Additionally, the list of Indian Standards was updated. This fourth revision of this Part, while basically retaining the structure of previous version of the Code, incorporates the following modifications:

- a) The clause on new/alternative materials has been updated with examples of some potential new/alternative materials.
- b) A clause on recycled materials has been added to address/encourage the usage of recycled materials in building construction.
- c) The list at the end of this Part has been updated to reflect the latest available Indian Standard specifications and methods of test.

A reference to SP 21:2005 'Summaries of Indian Standards for Building Materials' may be useful. This publication gives the summaries of Indian Standards covering various building materials, fittings and components except standards relating to paints.

All standards cross-referred in the main text of this Part, are subject to revision. The parties to agreement based on this Part are encouraged to investigate the possibility of applying the most recent editions of the standards.

For the purpose of deciding whether a particular requirement of this Part is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 `Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this Part.

Code users are requested to share their inputs/comments on the draft particularly w.r.t the changes listed above in the foreword; and specially on those text highlighted in yellow in this draft.

Legend for Colour Code	
<b>RED</b>	Indian Standard is revised since NBC 2016
<b>PURPLE</b>	New inclusion of the Indian Standard

**DRAFT FOR COMMENTS ONLY**

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***Draft Indian Standard***  
**National Building Code of India**  
**Part 5 Building Materials**  
*[Fourth Revision of SP 7 (Part 5)]*

**1 SCOPE**

This Code (Part 5) covers the requirements of building materials and components, and criteria for accepting new or alternative building materials and components.

**2 MATERIALS**

Every material used in fulfillment of the requirements of this Part, unless otherwise specified in the Code or approved, shall conform to the relevant Indian Standards. A list of Indian Standard specifications as the 'accepted standards' is given at the end of this Part of the Code. At the time of publication of the Code, the editions indicated were valid. All standards are subject to amendments and revisions. The Authority shall take cognizance of such amendments and revisions. The latest version of a specification shall, as far as possible, be adopted at the time of enforcement of this Part of the Code.

**3 SUSTAINABLE MATERIALS**

Choice of building materials is important in sustainable design because of the extensive network of activities such as extraction, processing and transportation steps required for making a material, and activities involved thereafter till building construction and even thereafter. These activities may pollute the air, soil and water, as well as destroy natural habitats and deplete natural resources. One of the most effective strategies for minimizing the environmental impacts of material usage is to reuse existing buildings. Rehabilitation of existing building, and their shell and non-shell components, not only reduces the volume of solid waste generated and its subsequent diversion to landfills but also the environmental impacts associated with the production, delivery and use or installation of new building materials. However, the use of sustainable building materials is one of the best strategies in the pursuit to sustainable buildings.

An ideal sustainable building material is not only environment friendly but also causes no adverse impact on health of occupants, is readily available, can be reclaimed and recycled, and is not only made from renewable raw material, but also uses predominantly renewable energy in its extraction, production, transportation, fixing and ultimate disposal. Practically, this kind of ideal material may not be available and hence,



it may be best to choose materials which fulfil most of these criteria. Sustainable building materials also offer specific benefits to the building owner and building occupants, such as, reduced maintenance/replacement costs over the life of the building; energy conservation; improved occupant health and productivity; lower costs associated with changing space configurations; and greater design flexibility.

The use of used materials (see 6) and recycled materials (see 7) contribute substantially towards sustainability of building material usage.

The selection of sustainable building materials shall be made in accordance with Part 11 'Approach to Sustainability' of the Code.

#### **4 NEW OR ALTERNATIVE MATERIALS**

**4.1** The provisions of this Part are not intended to prevent the use of any material not specifically prescribed under 2. Any such material may be approved by the Authority or an agency appointed by them for the purpose, provided it is established that the material is satisfactory for the purpose intended and the equivalent of that required in this Part or any other specification issued or approved by the Authority. The Authority or an agency appointed by them shall take into account the following parameters, as applicable to the concerned new or alternative building material:

- a) Requirements of the material specified/expected in terms of the provisions given in the standards on its usage, including its applicability in geo-climatic condition;
- b) General appearance;
- c) Dimension and dimensional stability;
- d) Structural stability including strength properties;
- e) Fire safety;
- f) Durability;
- g) Thermal properties;
- h) Mechanical properties;
- j) Acoustical properties;
- k) Optical properties;
- m) Biological effect;
- n) Environmental aspects;
- p) Working characteristics;
- q) Ease of handling;
- r) Consistency and workability;
- s) UV resistance; and
- t) Toxicity.

Some of such new/alternative materials may be decorative concrete, polymer concrete, plastic waste bricks, recycled plastic lumber, micro-concrete repair materials, dry-mix mortar, non-shrink grout, special materials for bunkers/blast resistant structures, artificial stones, nanotechnology based advanced materials, vermiculite based boards,

exfoliated perlite, pervious concrete, high-pressure laminate sheet, aluminium honeycomb panels, zinc composite panels, ventilated fin louvers, stainless steel insulated water tanks, etc.

For establishing the performance of the material/component, laboratory/field tests, and field trials, as required, and study of historical data are recommended. For sampling and frequency of tests for new or alternate materials, similar product standards shall be referred to.

The above materials would no longer be treated as new/alternative materials as soon as Indian Standards for the same are established.

**4.2** Approval in writing of the Authority or an agent appointed by them for the purpose of approval of material, shall be obtained by the owner or his agent before any new, alternative or equivalent material is used. The Authority or their agent shall base such approval on the principle set forth in **4.1** and shall require that tests be made (see **9.1**) or sufficient evidence or proof be submitted, at the expense of the owner or his agent, to substantiate any claim for the proposed material.

NOTE – For interpretation of the term 'Authority' (see also **9.1**), the definition of 'Authority having jurisdiction' given in Part 2 'Administration' of the Code shall apply.

## **5 THIRD PARTY CERTIFICATION**

For ensuring the conformity of materials for which Indian Standards exist and for new or alternative building materials, to requisite quality parameters the services under the third party certification schemes of the Government, may be utilized with advantage.

## **6 USED MATERIALS**

Utilization of used materials and recycled materials may not be precluded provided these meet the requirements of this Part for new materials (see Part 2 'Administration' of the Code).

## **7 RECYCLED MATERIALS**

A recycled building material refers to any product or material that has been previously utilized in another construction context. Various materials, such as brick, steel, timber, and even entire components like windows and tiles, can be reused and repurposed. This term also encompasses building materials produced from waste, such as recycled plastic bricks or concrete made from recycled aggregate from buildings, structures and pavements. Using suitable technological interventions, the natural and industrial by-products/wastes can be gainfully utilized in the construction activity, not merely as fillers, but in combination with traditional materials or through repurposing. Some such potential materials include: fly ash, red mud, flue gas desulfurization (FGD) gypsum, phosphogypsum, fluorogypsum, blast furnace slag, Linz-Donawitz (LD) slag, textile

sludge, marble waste (from cutting and processing), granite waste (from cutting and processing), iron tailings, mine tailings, copper tailings, coal mining waste (coal tailings), bagasse ash, rice husk ash, jarosite, broken glass and ceramics, kiln dust, galvanizing waste, tannery waste, stone waste (from crusher units), metal plating industry sludge, lime sludge, vermiculite, and perlite.

### **7.1 Recycled Mixed Aggregate**

Recycled mixed aggregate (RMA) is made from construction & demolition (C&D) waste which may comprise concrete, brick, tiles, stones, etc. C&D waste is generated from construction, renovation, repair, and demolition of buildings and structures like bridges, piers, etc. Recycled concrete aggregate (RCA) on the other hand is derived from concrete after requisite processing. Recycled concrete aggregate (RCA) comprises not only the original aggregate, but also the hydrated cement paste adhering to its surface. See accepted standards listed in 8(a).

### **7.2 Reclaimed Asphalt Pavement Aggregates**

Milling or demolition of distressed bituminous/flexible pavements generates reclaimed asphalt pavement (RAP) aggregates. These aggregates consist of natural stones fully coated with 2 percent to 7.5 percent (by mass) of bitumen/asphalt binder and is typically used in the construction of new bituminous roads. The use of RAP in cement concrete pavements is rather a new approach and has been found to enhance the workability and toughness characteristics. The strength properties should also be evaluated before permitting for use in regular building construction. Suitably, the coarser fraction of RAP can be used as part replacement (in the order of 10 percent to 20 percent) of natural aggregates for non-structural lean-concrete applications such as paver blocks, kerb stones, etc.

## **8 STORAGE OF MATERIALS**

All building materials shall be stored on the building site in such a way as to prevent deterioration or the loss or impairment of their structural and other essential properties (see Part 7 'Construction Management, Practices and Safety' of the Code).

## **9 METHODS OF TEST**

**9.1** Every test of material as required in this Part or by the Authority shall be carried out in accordance with the methods of test prescribed in relevant Indian Standards. In cases of methods of tests for which Indian Standards are not available, the same shall conform to the methods of tests issued by the Authority or their agent. A list of Indian Standard methods of test is given at the end of this Part of the Code as the 'accepted standards'. Laboratory tests shall be conducted by recognized laboratories acceptable to the Authority.

**9.1.1** The manufacturer/supplier shall satisfy himself that materials conform to the requirements of the specifications and if requested shall supply a certificate to this effect to the purchaser or his representative. When such test certificates are not available, the specimen of the material shall be tested.

## LIST OF STANDARDS

Following are the Indian Standards for various building materials and components, to be complied with in fulfillment of the requirements of the Code.

In the following list, while enlisting the Indian Standards, the materials have been categorized in such a way as to make the list user friendly. In the process, if so required, some of the standards have been included even in more than one category of products, such as in the category based on composition as well as on end application of the materials. The list has been arranged in alphabetical order of their principal category as given below:

- 1 Aluminium and other light metals and their alloys
- 2 Bitumen and tar products
- 3 Bricks, blocks and other masonry building units
- 4 Builder's hardware
- 5 Building chemicals
- 6 Building lime and products
- 7 Clay and stabilized soil products
- 8 Cement and concrete (including steel reinforcement for concrete)
- 9 Composite matrix products (including cement and resin matrix products)
- 10 Conductors and cables
- 11 Doors, windows and ventilators
- 12 Electrical wiring, fittings and accessories
- 13 Fillers, stoppers and putties
- 14 Floor covering, roofing and other finishes
- 15 Glass
- 16 Gypsum based materials
- 17 Mortar (including sand for mortar)
- 18 Paints and allied products
- 19 Polymers, plastics and geosynthetics/geotextiles
- 20 Sanitary appliances and water fittings
- 21 Steel and its alloys
- 22 Stones
- 23 Structural sections
- 24 Thermal insulation materials
- 25 Threaded fasteners, rivets and nails
- 26 Timber, bamboo and other lignocellulosic building materials
- 27 Unit weights of building materials
- 28 Waterproofing and damp-proofing materials
- 29 Welding electrodes and wires
- 30 Wire ropes and wire products (including wire for fencing)

**1 ALUMINIUM AND OTHER LIGHT METALS AND THEIR ALLOYS**

IS 733 : 1983	Specification for wrought aluminium and aluminium alloys bars, rods and sections for general engineering purposes ( <i>third revision</i> )
IS 734 : 1975	Wrought aluminium and aluminium alloys forging stock and forgings (for general engineering purposes) ( <i>second revision</i> )
IS 736 : 1986	Specification for wrought aluminium and aluminium alloys plate for general engineering purposes ( <i>third revision</i> )
IS 737 : 2008	Wrought aluminium and aluminium alloys sheet and strip for general engineering purposes — Specification ( <i>fourth revision</i> )
IS 738 : 1994	Specification for wrought aluminium and aluminium alloys drawn tube for general engineering purposes ( <i>third revision</i> )
IS 739 : 1992	Wrought aluminium and aluminium alloys – Wire for general engineering purposes — Specification ( <i>third revision</i> )
IS 740 : 1977	Specification for wrought aluminium and aluminium alloys rivet stock for general engineering purposes ( <i>second revision</i> )
IS 1254 : 2007	Corrugated aluminium sheet ( <i>fourth revision</i> )
IS 1284 : 2024	Wrought aluminium alloys bolt and screw stock (for general engineering purposes) – Specification ( <i>third revision</i> )
IS 1285 : 2002	Wrought aluminium and aluminium alloys – Extruded round tube and hollow sections for general engineering purposes — Specification ( <i>third revision</i> )
IS 1500 (Part 1) : 2019	Metallic materials — Brinell hardness test Part 1 Test method ( <i>fifth revision</i> )
IS 1500 (Part 2) : 2021	Metallic materials -- Brinell hardness test -- Part 2: Verification and calibration of testing machines ( <i>fifth revision</i> )

IS 1500 (Part 3) : 2019	Metallic materials — Brinell hardness test Part 3 Calibration of reference blocks ( <i>fifth revision</i> )
IS 1500 (Part 4) : 2019	Metallic materials — Brinell hardness test Part 4 Table of hardness values ( <i>fifth revision</i> )
IS 1501 (Part 1) : 2020	Metallic materials — Vickers hardness test Part 1 Test method ( <i>fifth revision</i> )
IS 1501 (Part 2) : 2020	Metallic materials — Vickers hardness test Part 2 Verification and calibration of testing machines ( <i>fifth revision</i> )
IS 1501 (Part 3) : 2020	Metallic materials — Vickers hardness test Part 3 Calibration of reference blocks ( <i>fifth revision</i> )
IS 1501 (Part 4) : 2020	Metallic materials — Vickers hardness test Part 4 Tables of hardness values ( <i>fifth revision</i> )
IS 1586 (Part 1) : 2018	Metallic materials - Rockwell hardness test Part 1 Test method ( <i>fifth revision</i> )
IS 1586 (Part 2) : 2018	Metallic materials - Rockwell hardness test Part 2 Verification and calibration of testing machines and indenters ( <i>fifth revision</i> )
IS 1586 (Part 3) : 2018	Metallic materials - Rockwell hardness test Part 3 Calibration of reference blocks ( <i>third revision</i> )
IS 1716 : 2023	Metallic materials wire reverse bend test ( <i>third revision</i> )
IS 1717 : 2018	Metallic materials - Wire - Simple torsion test ( <i>fourth revision</i> )
IS 1757 (Part 1) : 2020	Metallic materials — Charpy pendulum impact test Part 1 Test method ( <i>fourth revision</i> )
IS 1757 (Part 2) : 2020	Metallic materials — Charpy pendulum impact test Part 2 Verification of testing machines ( <i>fourth revision</i> )
IS 1757 (Part 3) : 2020	Metallic materials — Charpy pendulum impact test Part 3 Preparation and characterization of Charpy V-notch test pieces for indirect verification of pendulum impact machines ( <i>fourth revision</i> )

IS 1772 : 2024	Electroplated coatings of copper – Specification ( <i>second revision</i> )
IS 1828 (Part 1) : 2022	Metallic materials - Calibration and verification of static uniaxial testing machines Part 1 Tension/Compression testing machines - Calibration and verification of the force-measuring system ( <i>fifth revision</i> )
IS 2258 : 2023	Rolled zinc plate, sheet and strip – Specification ( <i>third revision</i> )
IS 2328 : 2018	Metallic materials — Tube — Flattening test ( <i>third revision</i> )
IS 2479 : 1981	Colour code for the identification of aluminium and aluminium alloys for general engineering purposes ( <i>second revision</i> )
IS 2605 : 2023	Zinc anodes for electroplating – Specification ( <i>second revision</i> )
IS 2676 : 1981	Dimensions for wrought aluminium and aluminium alloy sheet and strip ( <i>first revision</i> )
IS 2677 : 1979	Dimensions for wrought aluminium and aluminium alloys, plates and hot rolled sheets ( <i>first revision</i> )
IS 2782 : 2023	Refined nickel – Specification ( <i>first revision</i> )
IS 3577 : 1992	Wrought aluminium and its alloys – Rivet, bolt and screw stock — Dimensions and tolerances ( <i>first revision</i> )
IS 3711 : 2020	Steel and steel products — Location and preparation of samples and test pieces for mechanical testing ( <i>third revision</i> )
IS 3965 : 1981	Dimensions for wrought aluminium and aluminium alloys bar, rod and section ( <i>first revision</i> )
IS 4258 : 2018	Metallic materials — Conversion of hardness values ( <i>third revision</i> )
IS 5075 : 2023	Metallic materials - Rotating bar bending fatigue testing ( <i>second revision</i> )



IS 5528 : 2024 ISO 9227 : 2022	Corrosion tests in artificial atmospheres — Salt spray tests ( <i>second revision</i> )
IS 6477 : 1983	Dimensions for wrought aluminium and aluminium alloys extruded hollow sections ( <i>first revision</i> )
IS 6885 (Part 1) : 2020	Metallic materials — Knoop hardness test Part 1 Test method ( <i>second revision</i> )
IS 6885 (Part 2) : 2020	Metallic materials — Knoop hardness test Part 2 Verification and calibration of testing machines ( <i>second revision</i> )
IS 6885 (Part 3) : 2020	Metallic materials — Knoop hardness test Part 3 Calibration of reference blocks ( <i>second revision</i> )
IS 6885 (Part 4) : 2020	Metallic materials — Knoop hardness test part 4 Tables of hardness values ( <i>second revision</i> )
IS 7811 : 2019	Phosphor bronze rods and bars ( <i>second revision</i> )
IS 8632 : 2023	Metallic materials — Designation of test specimen axes in relation to product texture ( <i>first revision</i> )
IS 10175 : 2018	Metallic materials – Sheet and strip – Erichsen cupping test ( <i>third revision</i> )
IS 11999 : 2022	Metallic materials – Sheet and strip – Determination of plastic strain ratio ( <i>second revision</i> )
IS 12260 : 2018	Metallic materials – Tube – Ring – Expanding test ( <i>first revision</i> )
IS 12278 : 2018	Metallic materials — Tube — Ring tensile test ( <i>second revision</i> )
IS 12444 : 2020	Copper wire rods for electrical applications-Specification ( <i>first revision</i> )
IS 12871 : 2022	Copper, Lead, Zinc and Nickel concentrates - Sampling procedures for determination of metal and moisture content ( <i>second revision</i> )
IS 14712 : 1999	Wrought aluminium and its alloys – Chequered/tread sheets for general engineering purposes — Specification

IS 15756 : 2022	Metallic materials - Sheet and strip - Determination of tensile strain hardening exponent ( <i>first revision</i> )
IS 15965 : 2012	Pre-painted aluminium zinc alloy metallic coated steel strip and sheet (Plain)
IS 16842 : 2022	Metallic materials - Fatigue testing - Fatigue crack growth method ( <i>first revision</i> )
IS 16843 : 2018	Metallic materials — Fatigue testing — Strain - controlled thermomechanical fatigue testing method
IS 17143 : 2023	Metallic materials torque - Controlled fatigue testing ( <i>first revision</i> )
IS 17144 (Part 1) : 2019	Metallic materials — Instrumented indentation test for hardness and materials parameters Part 1 Test method
IS 17144 (Part 2) : 2019	Metallic materials — Instrumented indentation test for hardness and materials parameters Part 2 Verification and calibration of testing machines
IS 17144 (Part 3) : 2019	Metallic materials — Instrumented indentation test for hardness and materials parameters Part 3 Calibration of reference blocks
IS 17144 (Part 4) : 2019	Metallic materials — Instrumented indentation test for hardness and materials parameters Part 4 Test method for metallic and non-metallic coatings
IS 17145 (Part 1) : 2019	Metallic materials — Fatigue testing — Variable amplitude fatigue testing Part 1 general principles, test method and reporting requirements
IS 17145 (Part 2) : 2019	Metallic materials — Fatigue testing — Variable amplitude fatigue testing Part 2 cycle counting and related data reduction methods
IS 17149 (Part 1) : 2019	Metallic materials — Leeb hardness test Part 1 Test method
IS 17149 (Part 2) : 2019	Metallic materials — Leeb hardness test Part 2 Verification and calibration of the testing devices

IS 17149 (Part 3) : 2019	Metallic materials — Leeb hardness test Part 3 Calibration of reference test blocks
IS 17151 : 2023	Metallic materials unified method of test for the determination of quasistatic fracture toughness ( <i>first revision</i> )
IS 17413 (Part 1) : 2020	Metallic materials — Tensile testing at high strain rates Part 1 Elastic-Bar-Type systems
IS 17413 (Part 2) : 2020	Metallic materials — Tensile testing at high strain rates Part 2 Servo-hydraulic and other systems
IS 17415 : 2023	Metallic materials torsion test at room temperature ( <i>first revision</i> )
IS 17416 : 2024 ISO 14556 : 2023	Metallic materials — Charpy V-Notch pendulum impact Test — Instrumented Test method ( <i>first revision</i> )
IS 17418 : 2020	Metallic materials — Sheet and strip — Biaxial tensile testing method using a cruciform test piece
IS 17146 (Part 1) : 2023	Metallic materials determination of forming-limit curves for sheet and strip Part 1: Measurement and application of forming-limit diagrams in the press shop ( <i>first revision</i> )
IS 17417 (Part 1) : 2020	Metallic materials - Dynamic force calibration for uniaxial fatigue testing - Part 1 Testing systems
IS 17417 (Part 2) : 2020	Metallic materials — Dynamic force calibration for uniaxial fatigue testing Part 2 Dynamic Calibration Device ( DCD ) instrumentation
IS 17419 : 2020	Metallic materials — Ductility testing — High speed compression test for porous and cellular metals
IS 17679 : 2021	Metallic materials - Method of test for the determination of quasistatic fracture toughness of welds
IS 17682 _: 2021	Aluminium composite panel specification
IS 17795 : 2022	Metallic materials- Uniaxial creep testing in tension - Method of test
IS 17915 : 2022	Method for evaluation of tensile properties of metallic

	superplastic materials
IS 17937 : 2022	Mechanical testing of metals ductility testing compression test for porous and cellular metals
IS 18649 : 2024 ISO 11130 : 2017	Corrosion of metals and alloys — Alternate immersion test in salt solution
IS 18650 : 2024 ISO 26146 : 2012	Corrosion of metals and alloys — Method for metallographic examination of samples after exposure to high-temperature corrosive environments

## 2 BITUMEN AND TAR PRODUCTS

IS 73 : 2013	Paving bitumen — Specification ( <i>fourth revision</i> )
IS 212 : 2021	Crude coal tar for general use ( <i>third revision</i> )
IS 216 : 2006	Coal tar pitch — Specification ( <i>second revision</i> )
IS 217 : 2018	Cutback bitumen – Specification ( <i>third revision</i> )
IS 218 : 1983	Specification for creosote oil for use as wood preservatives ( <i>second revision</i> )
IS 334 : 2023	Glossary of terms relating to bitumen and tar ( <i>fourth revision</i> )
IS 702 : 2022	Specification for industrial bitumen ( <i>third revision</i> )
IS 1201 to IS 1220	Methods for testing tar and bituminous materials
IS 1201 : 2021	Sampling ( <i>second revision</i> )
IS 1202 : 2021	Determination of specific gravity ( <i>second revision</i> )
IS 1203 : 2022	Determination of penetration ( <i>second revision</i> )
IS 1204 : 2022	Determination of residue of specified penetration ( <i>second revision</i> )
IS 1205 : 2022	Determination of softening point ring and ball apparatus

	<i>(second revision)</i>
IS 1206	Determination of viscosity
<i>(Part 1) : 2023</i>	<i>Part 1 By volumetric flow rate method</i>
<i>(Part 2) : 2022</i>	<i>Part 2 Absolute viscosity</i>
<i>(Part 3) : 2021</i>	<i>Part 3 Kinematic viscosity</i>
<i>IS 1207 : 2022</i>	<i>Determination of equiviscous temperature EVT (second revision)</i>
<i>IS 1208 (Part 1) : 2023</i>	<i>Determination of ductility (second revision)</i>
<i>IS 1208 (Part 2) : 2023</i>	<i>Determination of elastic recovery (second revision)</i>
<i>IS 1209 : 2021</i>	<i>Determination of flash point and fire point (second revision)</i>
<i>IS 1210 : 2020</i>	<i>Float test (second revision)</i>
<i>IS 1211 : 2022</i>	<i>Determination of water content Dean and Stark method (second revision)</i>
<i>IS 1212 : 2022</i>	<i>Determination of loss on heating (second revision)</i>
<i>IS 1213 : 2020</i>	<i>Distillation test (second revision)</i>
<i>IS 1215 : 2021</i>	<i>Determination of matter insoluble in toluene (second revision)</i>
<i>IS 1216 : 2023</i>	<i>Determination of solubility in trichloroethylene (second revision)</i>
<i>IS 1218 : 2024</i>	<i>Tar and bituminous materials — Methods for test — Determination of phenols (second revision)</i>
<i>IS 1219 : 2024</i>	<i>Tar and bituminous materials — Methods for test — Determination of naphthalene (second revision)</i>
<i>IS 1220 : 2024</i>	<i>Tar and bituminous materials — Methods for test — Determination of volatile matter content (second revision)</i>

IS 3117 : 2004	Bitumen emulsion for roads and allied applications (anionic type) — Specification ( <i>first revision</i> )
IS 8887 : 2018	Bitumen emulsion for roads cationic type — Specification ( <i>third revision</i> )
IS 9381 : 2024	Tar and bituminous materials – Determination of Fraass breaking point of bitumen – Methods of Test ( <i>first revision</i> )
IS 9382 : 2022	Methods for testing tar and bituminous materials determination of effect of heat and air by thin film oven test ( <i>first revision</i> )
IS 10511 : 2024	Method for determination of asphaltenes in bitumen by precipitation with normal heptane ( <i>first revision</i> )
IS 10512 : 2003	Method for determination of wax content in bitumen ( <i>first revision</i> )
IS 13758	Coal tar pitch - Methods of test
(Part 1) : 1993	Part 1 Determination of matter insoluble in quinoline
(Part 2) : 1993	Part 2 Determination of coking value
IS 14982 : 2022	Anti-Stripping agents for bitumen addition – Specification ( <i>second revision</i> )
IS 15172 : 2002	Methods for testing tar and bituminous materials – Determination of curing index for cutback bitumens
IS 15173 : 2002	Methods for testing tar and bituminous materials – Determination of breaking point for cationic bitumen emulsion
IS 15174 : 2002	Methods for testing tar and bituminous material – Determination of breaking point for anionic bitumen emulsion
IS 15462 : 2019	Polymer modified bitumen (PMB) specification ( <i>first revision</i> )
IS 15799 : 2021	Methods for testing tar and bituminous materials Ageing of bitumen effect of RTFOT and PAV ( <i>first revision</i> )
IS 15808 : 2008	Multigrade bitumen for use in pavement construction –

	Specification
IS 17016 : 2018	Cationic modified bitumen emulsion – Specification
IS 17052 : 2018	Rejuvenating agents for hot mix recycling of bituminous surfacing — Specification
IS 17079 : 2019	Rubber modified bitumen (RMB) – Specification
IS 17116 : 2019	Determination of resistance of compacted bituminous mixture to moisture - Induced damage
IS 17124 : 2019	Crack sealants — Specification
IS 17127 : 2019	Determination of stability, flow and bulk density of bituminous mixes by Marshall method
IS 17335 : 2020	Determination of apparent viscosity of bituminous binders at elevated temperature by rotational viscometer
IS 18104 : 2022	Methods for testing tar and bituminous materials — determination of draindown characteristics of uncompacted bitumen mixtures
IS 18130 : 2023	Method for recovery of bitumen from solution using rotary evaporator
IS 19008 : 2023	Determination of bitumen content in bituminous paving mixtures

### 3 BRICKS, BLOCKS AND OTHER MASONRY BUILDING UNITS

IS 1077 : 1992	Specification for common burnt clay building bricks ( <i>fifth revision</i> )
IS 1725 : 2023	Stabilized soil blocks used in general building construction specification ( <i>third revision</i> )
IS 2180 : 1988	Specification for heavy duty burnt clay building bricks ( <i>third revision</i> )
IS 2185	Specification for concrete masonry units

(Part 1) : 2005	Part 1 Hollow and solid concrete blocks ( <i>third revision</i> )
(Part 2) : 1983	Part 2 Hollow and solid lightweight concrete blocks ( <i>first revision</i> )
(Part 3) : 1984	Part 3 Autoclaved cellular (aerated) concrete blocks ( <i>first revision</i> )
(Part 4) : 2008	Part 4 Preformed foam cellular concrete blocks
IS 2222 : 1991	Specification for burnt clay perforated building bricks ( <i>third revision</i> )
IS 2691 : 2017	Burnt clay facing bricks – Specification ( <i>third revision</i> )
IS 2849 : 1983	Specification for non-load bearing gypsum partition blocks (solid and hollow types) ( <i>first revision</i> )
IS 3115 : 1992	Specification for lime based blocks ( <i>second revision</i> )
IS 3316 : 1974	Specification for structural granite ( <i>first revision</i> )
IS 3495	Burnt clay building bricks method of tests
(Part 1) : 2019	Part 1 Determination of compressive strength ( <i>fourth revision</i> )
(Part 2) : 2019	Part 2 Determination of water absorption ( <i>fourth revision</i> )
(Part 3) : 2019	Part 3 Determination of efflorescence ( <i>fourth revision</i> )
(Part 4) : 2019	Part 4 Determination of warpage ( <i>fourth revision</i> )
(Part 5) : 2021	Part 5 Determination of initial Rate of absorption
(Part 6) : 2022	Part 6 Determination of modulus of rupture
IS 3583 : 1988	Specification for burnt clay paving bricks ( <i>second revision</i> )
IS 3620 : 1979	Specification for laterite stone block for masonry ( <i>first revision</i> )
IS 3952 : 2013	Burnt clay hollow bricks and blocks for walls and



	partitions — Specification ( <i>third revision</i> )
IS 4139 : 1989	Specification for calcium silicate bricks ( <i>second revision</i> )
IS 4860 : 1968	Specification for acid resistant bricks
IS 4885 : 1988	Specification for sewer bricks ( <i>first revision</i> )
IS 5454 : 2024	Burnt clay bricks and burnt clay tiles — Methods of sampling ( <i>second revision</i> )
IS 5751 : 1984	Specification for precast concrete coping blocks ( <i>first revision</i> )
IS 5779 : 1986	Specification for burnt clay soling bricks ( <i>first revision</i> )
IS 6165 : 1992	Dimensions for special shapes of clay bricks ( <i>first revision</i> )
IS 9893 : 1981	Specification for precast concrete blocks for lintels and sills
IS 10360 : 1982	Specification for lime pozzolana concrete blocks for paving
IS 12440 : 1988	Specification for precast concrete stone masonry blocks
IS 12894 : 2002	Specification for pulverized fuel ash lime bricks ( <i>first revision</i> )
IS 13757 : 1993	Burnt clay fly ash building bricks — Specification
IS 15658 : 2021	Concrete paving blocks – Specification ( <i>first revision</i> )
IS 16720 : 2018	Pulverized fuel ash-cement bricks- Specification
IS 17165 : 2020	Manufacture of stabilized soil blocks – Guidelines

#### 4 BUILDER'S HARDWARE

IS 204	Specification for tower bolts
(Part 1) : 1991	Part 1 Ferrous metals ( <i>fifth revision</i> )
(Part 2) : 1992	Part 2 Non-ferrous metals ( <i>fifth revision</i> )

IS 205 : 1992	Specification for non-ferrous metal butt hinges ( <i>fourth revision</i> )
IS 206 : 2010	Specification for tee and strap hinges ( <i>fifth revision</i> )
IS 208 : 2020	Door handles – Specification ( <i>sixth revision</i> )
IS 281 : 2009	Specification for mild steel sliding door bolts for use with padlocks ( <i>fourth revision</i> )
IS 362 : 1991	Specification for parliament hinges ( <i>fifth revision</i> )
IS 363 : 1993	Specification for hasps and staples ( <i>fourth revision</i> )
IS 364 : 1993	Specification for fanlight catch ( <i>third revision</i> )
IS 452 : 1973	Specification for door springs, rat-tail type ( <i>second revision</i> )
IS 453 : 1993	Specification for double-acting spring hinges ( <i>third revision</i> )
IS 729 : 2021	Drawer locks cupboard locks and box locks - Specification ( <i>fourth revision</i> )
IS 1019 : 1974	Specification for rim latches ( <i>second revision</i> )
IS 1341 : 2018	Steel butt hinges – Specification ( <i>sixth revision</i> )
IS 1823 : 1980	Specification for floor door stoppers ( <i>third revision</i> )
IS 1837 : 1966	Specification for fanlight pivots ( <i>first revision</i> )
IS 2681 : 1993	Specification for nonferrous metal sliding door bolts for use with padlocks ( <i>third revision</i> )
IS 3564 : 1995	Hydraulically regulated door closers – Specification ( <i>fourth revision</i> )
IS 3818 : 1992	Specification for continuous (piano) hinges ( <i>third revision</i> )
IS 3828 : 1966	Specification for ventilator chains

IS 3843 : 1995	Steel back flap hinges – Specification ( <i>second revision</i> )
IS 4621 : 1975	Specification for indicating bolts for use in public baths and lavatories ( <i>first revision</i> )
IS 4948 : 2020	Welded steel wire fabric for general use – Specification ( <i>third revision</i> )
IS 4992 : 2024	Door handles for mortice locks — Specification ( <i>second revision</i> )
IS 5187 : 1972	Specification for flush bolts ( <i>first revision</i> )
IS 5899 : 1970	Specification for bathroom latches
IS 6315 : 1992	Specification for floor springs (hydraulically regulated) for heavy doors ( <i>second revision</i> )
IS 6318 : 1971	Specification for plastic window stays and fasteners
IS 6343 : 1982	Specification for door closers (pneumatically regulated) for light door weighing up to 40 kg ( <i>first revision</i> )
IS 7196 : 1974	Specification for hold fast
IS 7197 : 1974	Specification for double action floor springs (without oil check) for heavy doors
IS 7534 : 1985	Specification for sliding locking bolts for use with padlocks ( <i>first revision</i> )
IS 7881 (Part 1) : 2023	Glossary of terms relating to builders' hardware - Part 1 Locks ( <i>first revision</i> )
IS 7881 (Part 2) : 2022	Glossary of terms relating to builders' hardware - Part 2 Latches ( <i>first revision</i> )
IS 8756 : 1978	Specification for ball catches for use in wooden almirah
IS 9106 : 1979	Specification for rising butt hinges

IS 9131 : 2021	Rim locks and latches mechanically operated – specification ( <i>first revision</i> )
IS 9460 : 1980	Specification for flush drop handle for drawer
IS 9899 : 1981	Specification for hat coat and wardrobe hooks
IS 10019 : 1981	Specification for mild steel stays and fasteners
IS 10090 : 1982	Specification for numerals
IS 10342 : 1982	Specification for curtain rail system
IS 12817 : 2020	Stainless steel butt hinges – specification ( <i>third revision</i> )
IS 12867 : 1989	Specification for PVC hand rails covers
IS 14912 : 2001	Specification for door closers concealed type (hydraulically regulated)
IS 15833 : 2009	Stainless steel tower bolts – Specification
IS 15834 : 2020	Stainless steel sliding door bolts (Aldrops) for use with padlocks – Specification ( <i>first revision</i> )
IS 16015 : 2022	Mortise locks and latches mechanically operated – Specification ( <i>first revision</i> )
IS 16016 : 2013	Cylindrical locks with pin tumbler mechanism — Specification
IS 17296 : 2020	Stainless steel door stoppers - Specification
IS 17706 : 2022	Pull handles - Specification
IS 17954 : 2023	Telescopic ball bearing drawer slide - Specification
IS 18297 : 2023	Cabinet hinges – Specification

**5 BUILDING CHEMICALS****a) Anti-termite Chemicals**

IS 5549 : 2023	Warfarin bait concentrates – Specification ( <i>first revision</i> )
IS 7168 : 2023	Warfarin sodium salt water soluble powders – Specification ( <i>first revision</i> )
IS 8703 : 2023	Diuron water dispersible powder concentrates – Specification ( <i>first revision</i> )
IS 8944 : 2005	Chlorpyrifos emulsifiable concentrates— Specification ( <i>first revision</i> )
IS 16706 : 2018	Carpropamid, technical — specification
IS 16955 : 2019	Spiromesifen, suspension concentrate (SC) – Specification

**b) Chemical Admixture/Water Proofing Compounds**

IS 2645 : 2003	Integral waterproofing compounds for cement mortar and concrete — Specification ( <i>second revision</i> )
IS 6925 : 1973	Methods of test for determination of water soluble chlorides in concrete admixtures
IS 9103 : 1999	Specification for concrete admixtures ( <i>first revision</i> )

**c) Sealants/Fillers**

IS 1834 : 1984	Specification for hot applied sealing compound for joint in concrete ( <i>first revision</i> )
IS 1838	Specification for preformed fillers for expansion joint in concrete pavements and structures (non extruding and resilient type)
(Part 1):1983	Part 1 Bitumen impregnated fibre ( <i>first revision</i> )
(Part 2):1984	Part 2 CNSL aldehyde resin and coconut pith

(Part 3):2011	Part 3 Polymer based
IS 10566 : 1983	Methods of tests for preformed fillers for expansion joint in concrete paving and structural construction
IS 10959 : 2017 ISO 6927 : 2012	Glossary of terms for sealants for building purposes ( <i>first revision</i> )
IS 11433	Specification for one-part gun – Grade polysulphide – based joint sealants
(Part 1) : 1985	Part 1 General requirements
(Part 2) : 1986	Part 2 Methods of test
IS 12118	Specification for two parts polysulphide based sealants
(Part 1) : 1987	Part 1 General requirements
(Part 2) : 1987	Part 2 Methods of test
IS 13923 : 2023	Lead Seal – Specification ( <i>first revision</i> )

#### d) Adhesives

IS 848 : 2006	Synthetic resin adhesives for plywood (phenolic and aminoplastic) — Specification ( <i>second revision</i> )
IS 851 : 1978	Specification for synthetic resin adhesives for construction work (non-structural) in wood ( <i>first revision</i> )
IS 852 : 1994	Animal glue for general wood-working purposes — Specification ( <i>second revision</i> )
IS 1508 : 1972	Specification for extenders for use in synthetic resin adhesives (urea-formaldehyde) for plywood ( <i>first revision</i> )
IS 4835 : 1979	Specification for polyvinyl acetate dispersion-based adhesives for wood ( <i>first revision</i> )

IS 5666 : 2024	Etch primer — Specification ( <i>first revision</i> )
IS 9188 : 1979	Performance requirements for adhesive for structural laminated wood products for use under exterior exposure condition
IS 12830 : 1989	Rubber based adhesives for fixing PVC tiles to cement — Specification
IS 12994 : 1990	Epoxy adhesives, room temperature curing general purpose — Specification
IS 13238 : 2021	Epoxy based zinc phosphate primer (Two Pack) – Specification ( <i>first revision</i> )
IS 15477 : 2019	Adhesives for use with ceramic tiles and mosaics ( <i>first revision</i> )
IS 16239 : 2021	Polyurethane matt finish (Two Pack) – Specification
IS 16676 : 2024	Solventless liquid epoxy system for application on interior and exterior surfaces of steel water pipeline — Specification ( <i>first revision</i> )
IS 16943 : 2019	Two components high build epoxy micaceous iron oxide (MIO) pigmented intermediate coat — Specification
IS 16944 : 2018	Two components high build epoxy titanium dioxide (TiO <sub>2</sub> ) pigmented intermediate coat — Specification
IS 17218 : 2019	Solar thermo-reflective exterior coating for cooling of roof top
IS 17545 : 2021	White cement based polymeric putty
IS 18837 : 2024	Solvent cements for chlorinated poly (vinyl chloride) (CPVC) plastic pipe and fittings

## 6 BUILDING LIME AND PRODUCTS

IS 712 : 1984	Specification for building limes ( <i>third revision</i> )
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IS 1624 : 1986	Method of field testing of building lime ( <i>second revision</i> )
IS 2686 : 1977	Specification for cinder as fine aggregates for use in lime concrete ( <i>first revision</i> )
IS 3068 : 1986	Specification for broken brick (burnt-clay) coarse aggregates for use in lime concrete ( <i>second revision</i> )
IS 3115 : 1992	Specification for lime based blocks ( <i>second revision</i> )
IS 3182 : 1986	Specification for broken bricks (burnt clay) fine aggregates for use in lime mortar ( <i>second revision</i> )
IS 4098 : 1983	Specification for lime-pozzolana mixture ( <i>first revision</i> )
IS 4139 : 1989	Specification for calcium silicate bricks ( <i>second revision</i> )
IS 6932	Method of tests for building limes
(Part 1) : 1973	Part 1 Determination of insoluble residue, loss on ignition, insoluble matter, silicon dioxide, ferric and aluminium oxide, calcium oxide and magnesium oxide
(Part 2) : 1973	Part 2 Determination of carbon dioxide content
(Part 3) : 1973	Part 3 Determination of residue on slaking of quicklime
(Part 4) : 1973	Part 4 Determination of fineness of hydrated lime
(Part 5) : 1973	Part 5 Determination of unhydrated oxide
(Part 6) : 1973	Part 6 Determination of volume yield of quicklime
(Part 7) : 1973	Part 7 Determination of compressive and transverse strength
(Part 8) : 1973	Part 8 Determination of workability
(Part 9) : 1973	Part 9 Determination of soundness
(Part 10) : 1973	Part 10 Determination of popping and pitting of hydrated lime
(Part 11) : 1983	Part 11 Determination of setting time of hydrated lime



IS 10360 : 1982	Specification for lime pozzolana concrete blocks for paving
IS 10772 : 1983	Specification for quick setting lime pozzolana mixture
IS 12894 : 2002	Specification for pulverized fuel ash lime bricks ( <i>first revision</i> )
IS 15648 : 2006	Pulverized fuel ash for lime-pozzolana mixture applications — Specification

## 7 CLAY AND STABILIZED SOIL PRODUCTS

### a) Blocks

IS 3952 : 2013	Burnt clay hollow bricks and blocks for walls and partitions — Specification ( <i>third revision</i> )
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### b) Stabilized Soil Products

IS 1725 : 2023	Stabilized soil blocks used in general building construction specification ( <i>third revision</i> )
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### c) Bricks

IS 1077 : 1992	Specification for common burnt clay building bricks ( <i>fifth revision</i> )
IS 2180 : 1988	Specification for heavy duty burnt clay building bricks ( <i>third revision</i> )
IS 2222 : 1991	Specification for burnt clay perforated building bricks ( <i>third revision</i> )
IS 2691 : 2017	Burnt clay facing bricks – specification ( <i>third revision</i> )
IS 3495	Burnt clay building bricks Method of tests
(Part 1) : 2019	Part 1 Determination of compressive strength ( <i>fourth revision</i> )

(Part 2) : 2019	Part 2 Determination of water absorption ( <i>fourth revision</i> )
(Part 3) : 2019	Part 3 Determination of efflorescence ( <i>fourth revision</i> )
(Part 4) : 2019	Part 4 Determination of warpage ( <i>fourth revision</i> )
(Part 5) : 2021	Part 5 Determination of initial Rate of absorption
(Part 6) : 2022	Part 6 Determination of modulus of rupture
IS 3583 : 1988	Specification for burnt clay paving bricks ( <i>second revision</i> )
IS 3952 : 2013	Burnt clay hollow bricks and blocks for walls and partitions — Specification ( <i>third revision</i> )
IS 4885 : 1988	Specification for sewer bricks ( <i>first revision</i> )
IS 5454 : 2024	Burnt Clay Bricks and Burnt Clay Tiles — Methods of Sampling ( <i>second revision</i> )
IS 5779 : 1986	Specification for burnt clay soling bricks ( <i>first revision</i> )
IS 6165 : 1992	Dimensions for special shapes of clay bricks ( <i>first revision</i> )
IS 13757 : 1993	Burnt clay fly ash building bricks — Specification

**d) Jallies**

IS 7556 : 1988	Specification for burnt clay jallies ( <i>first revision</i> )
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**e) Tiles**

IS 654 : 2023	Clay roofing tiles Mangalore pattern specification ( <i>fourth revision</i> )
IS 1464 : 2024	Clay ridge and ceiling tiles — Specification ( <i>third revision</i> )

IS 1478 : 2023	Clay flooring tiles Specification ( <i>third revision</i> )
IS 2690	Burnt clay flat terracing tiles - specification
(Part 1) : 2023	Part 1 Machine made ( <i>third revision</i> )
(Part 2) : 2023	Part 2 Hand made ( <i>second revision</i> )
IS 3367 : 2023	Burnt clay tiles for use in lining irrigation and drainage works — Specification ( <i>third revision</i> )
IS 3951	Hollow clay tiles for floor and roofs specification
(Part 1) : 2023	Part 1 Filler type ( <i>third revision</i> )
(Part 2) : 2023	Part 2 Structural type ( <i>third revision</i> )
IS 8920 : 1978	Methods for sampling of burnt clay tiles
IS 13317 : 2023	Clay roofing county tiles half round and flat tiles Specification ( <i>first revision</i> )
IS 17190 : 2020	Grouts for filling of joints of tiles and stones – Specification
IS 17897 : 2022	Stone-polymer composite flooring tiles and planks – Specification
IS 18387 : 2023	Gypsum ceiling tiles – Specification

## 8 CEMENT AND CONCRETE (including steel reinforcement for concrete)

### a) Aggregates

IS 383 : 2016	Coarse and fine aggregate for concrete – Specification ( <i>third revision</i> )
IS 4961 : 2022	Determination of particle size of powders by air elutriation methods ( <i>first revision</i> )
IS 650 : 1991	Specification for standard sand for testing of cement

	<i>(second revision)</i>
IS 1542 : 1992	Specification for sand for plaster <i>(second revision)</i>
IS 2116 : 1980	Specification for sand for masonry mortars <i>(first revision)</i>
IS 2386	Methods of test for aggregates for concrete
(Part 1) : 1963	Part 1 Particle size and shape
(Part 2) : 1963	Part 2 Estimation of deleterious materials and organic impurities
(Part 3) : 1963	Part 3 Specific gravity, density, voids, absorption and bulking
(Part 4) : 1963	Part 4 Mechanical properties
(Part 5) : 1963	Part 5 Soundness
(Part 6) : 1963	Part 6 Measuring mortar making properties of fine aggregates
(Part 7) : 1963	Part 7 Alkali aggregate reactivity
(Part 8) : 1963	Part 8 Petrographic examination
IS 2430 : 1986	Methods of sampling of aggregates of concrete <i>(first revision)</i>
IS 4879 : 2023	Particulate materials – Sampling and sample splitting technique <i>(first revision)</i>
IS 5282	Determination of particle size distribution by gravitational liquid sedimentation methods
(Part 1) : 2023	Part 1 General principles and guidelines <i>(first revision)</i>
(Part 2) : 2023	Part 2 Fixed pipette method <i>(first revision)</i>
(Part 3) : 2023	Part 3 X-Ray gravitational technique <i>(first revision)</i>

(Part 4) : 2023	Part 4 Balance method ( <i>first revision</i> )
IS 6579 : 1981	Specification for coarse aggregate for water bound macadam ( <i>first revision</i> )
IS 9142	Artificial light - weight aggregates for concrete - specification
(Part 1) : 2018	Part 1 for concrete masonry blocks and for applications other than for structural concrete ( <i>first revision</i> )
(Part 2) : 2018	Part 2 sintered fly ash coarse aggregate ( <i>first revision</i> )
IS 10086 : 2021	Specification for moulds for use in tests of cement and concrete ( <i>first revision</i> )
IS 18657 (Part 1) : 2024 ISO 9276-1 : 1998	Representation of results of particle size analysis Part 1 Graphical representation
IS 18657 (Part 2) : 2024 ISO 9276-2 : 2014	Representation of results of particle size analysis Part 2 Calculation of average particle sizes/diameters and moments from particle size distributions
IS 18657 (Part 3) : 2024 ISO 9276-3 : 2008	Representation of results of particle size analysis Part 3 Adjustment of an experimental curve to a reference model
IS 18657 (Part 4) : 2024 ISO 9276-4 : 2001	Representation of results of particle size analysis Part 4 Characterization of a classification process
IS 18657 (Part 5) : 2024 ISO 9276-5 : 2005	Representation of results of particle size analysis Part 5 Methods of calculation relating to particle size analyses using logarithmic normal probability distribution
IS 18657 (Part 6) : 2024 ISO 9276-6 : 2008	Representation of results of particle size analysis Part 6 Descriptive and quantitative representation of particle shape and morphology
IS 19058 : 2024	Ultrafine fly ash — Specification

**b) Cement**

IS 269 : 2015	Ordinary portland cement - Specification ( <i>sixth revision</i> )
IS 455 : 2015	Portland slag cement – Specification ( <i>fifth revision</i> )
IS 1489	Portland pozzolana cement – Specification
(Part 1) : 2015	Part 1 Flyash based ( <i>fourth revision</i> )
(Part 2) : 2015	Part 2 Calcined clay based ( <i>fourth revision</i> )
IS 3466 : 1988	Specification for masonry cement ( <i>second revision</i> )
IS 6452 : 1989	Specification for high alumina cement for structural use ( <i>first revision</i> )
IS 6909 : 1990	Specification for supersulphated cement
IS 8041 : 1990	Specification for rapid hardening Portland cement ( <i>second revision</i> )
IS 8042 : 2015	White portland cement – specification ( <i>third revision</i> )
IS 8043 : 1991	Specification for hydrophobic Portland cement ( <i>second revision</i> )
IS 12330 : 1988	Specification for sulphate resisting Portland cement
IS 12600 : 1989	Portland cement, low heat – Specification
IS 16415 : 2015	Composite cement — Specification
IS 16993 : 2018	Microfine Ordinary Portland Cement — Specification
IS 17908 : 2023	Fibre cement sheet — Lightweight concrete sandwich panels specification
IS 18189 : 2023	Portland calcined clay limestone cement — Specification

**c) Supplementary Cementitious Materials (Mineral Admixtures and Pozzolanas)**

IS 1344 : 1981	Specification for calcined clay pozzolana ( <i>second revision</i> )
IS 1727 : 1967	Methods of test for pozzolanic materials ( <i>first revision</i> )
IS 3812	Pulverized fuel ash ( <i>third revision</i> )
(Part 1) : 2013	Specification Part 1 For use as pozzolana in cement, cement mortar and concrete ( <i>third revision</i> )
(Part 2) : 2013	Part 2 For use as admixture in cement mortar and concrete ( <i>third revision</i> )
IS 6491 : 1972	Method of sampling of flyash
IS 12089 : 1987	Specification for granulated slag for manufacture of Portland slag cement
IS 12870 : 1989	Methods of sampling calcined clay pozzolana
IS 15388 : 2003	Specification for silica fume
IS 16354 : 2015	Metakaolin for use in cement, cement mortar and concrete — Specification
IS 16714 : 2018	Ground granulated blast furnace slag for use in cement mortar and concrete – Specification
IS 16715 : 2018	Ultrafine ground granulated blast furnace slag — Specification

**d) Chemical Admixtures**

IS 6925 : 1973	Methods of test for determination of water soluble chlorides in concrete admixtures
IS 9103 : 1999	Specification for admixtures for concrete ( <i>first revision</i> )

**e) Concrete**

IS 456 : 2000	Code of practice for plain and reinforced concrete ( <i>fourth revision</i> )
IS 1343 : 2012	Code of practice for prestressed concrete ( <i>second revision</i> )
IS 4926 : 2003	Code of practice for ready-mixed concrete ( <i>second revision</i> )

**f) Cement and Concrete Sampling and Methods of Test**

IS 516	Hardened concrete methods of test
(Part 1/Sec 1) : 2021	Part 1 testing of strength of hardened concrete Section 1 compressive, flexural and split tensile strength ( <i>first revision</i> )
(Part 2/Sec 1) : 2018	Part 2 properties of hardened concrete other than strength Section 1 Density of hardened concrete and depth of water penetration under pressure ( <i>first revision</i> )
(Part 2/Sec 2) : 2020	Part 2 Properties of hardened concrete other than strength Section 2 Initial surface absorption ( <i>first revision</i> )
(Part 2/Sec 3) : 2022	Part 2 Properties of hardened concrete other than strength Section 3 Oxygen permeability index ( <i>first revision</i> )
(Part 2/Sec 4) : 2021	Part 2 Properties of hardened concrete other than strength Section 4 Determination of the carbonation resistance by accelerated carbonation method ( <i>first revision</i> )
(Part 4) : 2018	Part 4 Sampling preparing and testing of concrete cores ( <i>first revision</i> )
(Part 5/Sec 1) : 2018	Part 5 Non - Destructive testing of concrete Section 1 Ultrasonic pulse velocity testing ( <i>first revision</i> )
(Part 5/Sec 2) : 2021	Part 5 Non-destructive testing section 2 half -cell



	potentials of uncoated reinforcing steel in concrete <i>(first revision)</i>
(Part 5/Sec 3) : 2021	Part 5 Non-destructive testing of concrete Section 3 Carbonation depth test <i>(first revision)</i>
(Part 5/Sec 4) : 2020	Part 5 Non-destructive testing of concrete Section 4 Rebound hammer test <i>(first revision)</i>
(Part 6) : 2020	Part 6 Determination of drying shrinkage and moisture movement of concrete samples <i>(first revision)</i>
(Part 8/Sec 1) : 2020	Part 8 Determination of modulus of elasticity Section 1 Static modulus of elasticity and poisson s ratio in compression <i>(first revision)</i>
(Part 11) : 2020	Part 11 Determination of portland cement content of hardened hydraulic cement concrete <i>(first revision)</i>
IS 1199 : 1959	Methods of sampling and analysis of concrete
IS 1199 (Part 1) : 2018	Fresh concrete methods of sampling testing and analysis Part 1 Sampling of fresh concrete <i>(first revision)</i>
IS 1199 (Part 2) : 2018	Fresh concrete methods of sampling testing and analysis Part 2 Determination of consistency of fresh concrete <i>(first revision)</i>
IS 1199 (Part 3) : 2018	Fresh concrete methods of sampling testing and analysis Part 3 Determination of density of fresh concrete <i>(first revision)</i>
IS 1199 (Part 4) : 2018	Fresh concrete methods of sampling testing and analysis Part 4 Determination of air content of fresh concrete <i>(first revision)</i>
IS 1199 (Part 5) : 2018	Fresh concrete methods of sampling testing and analysis Part 5 Making and curing of test specimens <i>(first revision)</i>
IS 1199 (Part 6) : 2018	Fresh concrete methods of sampling testing and analysis Part 6 Tests on fresh self compacting concrete <i>(first revision)</i>

IS 1199 (Part 7) : 2018	Fresh concrete methods of sampling testing and analysis Part 7 Determination of setting time of concrete by penetration resistance ( <i>first revision</i> )
IS 2770(Part 1) : 1967	Methods of testing bond in reinforced concrete: Part 1 Pullout test
IS 3085 : 1965	Methods of test for permeability of cement mortar and concrete
IS 3535 : 1986	Methods of sampling hydraulic cement ( <i>first revision</i> )
IS 4031	Methods of physical tests for hydraulic cement
(Part 1) : 1996	Part 1 Determination of fineness by dry sieving ( <i>second revision</i> )
(Part 2) : 1999	Part 2 Determination of fineness by specific surface by Blaine air permeability method ( <i>second revision</i> )
(Part 3) : 1988	Part 3 Determination of soundness ( <i>first revision</i> )
(Part 4) : 1988	Part 4 Determination of consistency of standard cement paste ( <i>first revision</i> )
(Part 5) : 1988	Part 5 Determination of initial and final setting times ( <i>first revision</i> )
(Part 6) : 1988	Part 6 Determination of compressive strength of hydraulic cement (other than masonry cement) ( <i>first revision</i> )
(Part 7) : 1988	Part 7 Determination of compressive strength of masonry cement ( <i>first revision</i> )
(Part 8) : 1988	Part 8 Determination of transverse and compressive strength of plastic mortar using prism ( <i>first revision</i> )
(Part 9) : 1988	Part 9 Determination of heat of hydration ( <i>first revision</i> )
(Part 10) : 1988	Part 10 Determination of drying shrinkage ( <i>first revision</i> )

(Part 11) : 1988	Part 11 Determination of density ( <i>first revision</i> )
(Part 12) : 1988	Part 12 Determination of air content of hydraulic cement mortar ( <i>first revision</i> )
(Part 13) : 1988	Part 13 Measurement of water retentivity of masonry cement ( <i>first revision</i> )
(Part 14) : 1989	Part 14 Determination of false set
(Part 15) : 1991	Part 15 Determination of fineness by wet sieving
IS 4032 : 1985	Methods of chemical analysis for hydraulic cement ( <i>first revision</i> )
IS 5816 : 1999	Method of test for splitting tensile strength of concrete ( <i>first revision</i> )
IS 9013 : 1978	Method of making, curing and determining compressive strength of accelerated cured concrete test specimens
IS 9284 : 1979	Method of test for abrasion resistance of concrete
IS 12423 : 1988	Methods for colorimetric analysis of hydraulic cement
IS 12803 : 1989	Methods of analysis of hydraulic cement by X-ray fluorescence spectrometer
IS 12813 : 1989	Method of analysis of hydraulic cement by atomic absorption spectrophotometer
IS 13311	Methods of non-destructive testing of concrete
(Part 2):1992	Part 2 Rebound hammer
IS 14959	Method of test for determination of water soluble and acid soluble chlorides in mortar and concrete
(Part 1):2001	Part 1 Fresh mortar and concrete
(Part 2):2001	Part 2 Hardened mortar and concrete
IS 17161 : 2020	Flexural strength and toughness parameters of fibre

	reinforced concrete — Method of test
IS 17725 : 2022	Precast concrete circular manhole — Specification

### g) Treatment of Concrete Joints

IS 1834 : 1984	Specification for hot applied sealing compound for joint in concrete ( <i>first revision</i> )
IS 1838	Specification for preformed fillers for expansion joint in concrete pavements and structures (non extruding and resilient type)
(Part 1) : 1983	Part 1 Bitumen impregnated fibre ( <i>first revision</i> )
(Part 2) : 1984	Part 2 CNSL aldehyde resin and coconut pith
(Part 3) : 2011	Part 3 Polymer based
IS 10566 : 1983	Methods of test for preformed fillers for expansion joints in concrete paving and structural construction
IS 11433	Specification for one grade polysulphide based joint sealant
(Part 1) : 1985	Part 1 General requirements
(Part 2) : 1986	Part 2 Methods of test
IS 12118	Specification for two parts polysulphide based sealants
(Part 1) : 1987	Part 1 General requirements
(Part 2) : 1987	Part 2 Methods of test

### h) Steel Reinforcement for Concrete

IS 432	Specification for mild steel and medium tensile steel bars and hard drawn steel wire for concrete reinforcement
(Part 1) : 1982	Part 1 Mild steel and medium tensile steel bars ( <i>third revision</i> )

(Part 2) : 1982	Part 2 Hard drawn steel wire ( <i>third revision</i> )
IS 1566 : 1982	Specification for hard drawn steel wire fabric for concrete reinforcement ( <i>second revision</i> )
IS 1599 : 2023 ISO 7438 : 2020	Metallic materials — Bend test ( <i>Fifth revision</i> )
IS 1608 (Part 1) : 2022 ISO 6892-1:2019	Metallic materials - Tensile testing - Part 1 Method of test at room temperature ( <i>fifth revision</i> )
IS 1608 (Part 2) : 2020 ISO 6892-2:2018	Metallic materials - Tensile testing Part 2 Method of test at elevated temperature ( <i>fourth revision</i> )
IS 1608 (Part 3) : 2018 6892-3:2015	Metallic materials - Tensile testing Part 3 Method of test at low temperature
IS 1785	Specification for plain hard drawn steel wire for pre-stressed concrete
(Part 1) : 1983	Part 1 Cold drawn stress-relieved wire ( <i>second revision</i> )
(Part 2) : 1983	Part 2 As drawn wire ( <i>first revision</i> )
IS 1786 : 2008	High strength deformed steel bars and wires for concrete reinforcement — Specification ( <i>fourth revision</i> )
IS 2090 : 1983	Specification for high tensile steel bars used in prestressed concrete ( <i>first revision</i> )
IS 6003 : 2010	Indented wire for prestressed concrete — Specification ( <i>second revision</i> )
IS 6006 : 2014	Uncoated stress-relieved strand for prestressed concrete — Specification ( <i>second revision</i> )
IS 9417 : 2018	Welding of high strength steel bars for reinforced concrete construction - Recommendations ( <i>second revision</i> )

IS 10790	Methods of sampling of steel for prestressed and reinforced concrete
(Part 1) : 1984	Part 1 Prestressing steel
(Part 2) : 1984	Part 2 Reinforcing steel
IS 13620 : 1993	Specification for fusion bonded epoxy coated reinforcing bars
IS 14268 : 2022	Uncoated stress relieved low relaxation seven-wire ply strand for prestressed concrete - Specification ( <i>second revision</i> )
IS 16172 : 2023	Reinforcement couplers for mechanical splices of steel bars in concrete specification ( <i>first revision</i> )
IS 16644 : 2018	Stress - Relieved low relaxation steel wire for prestressed concrete – Specification
IS 16651 : 2017	High strength deformed stainless steel bars and wires for concrete reinforcement – Specification
IS 18255 : 2023	Fibre-Reinforced Polymer FRP bars for concrete reinforcement – Methods of test
IS 18256 : 2023	Solid round glass fibre reinforced polymer GFRP bars for concrete reinforcement – Specification

## 9 COMPOSITE MATRIX PRODUCTS

### a) Cement Matrix Products

#### i) Precast Concrete Products

IS 2174 : 1962	Specification for reinforced concrete dust bins
IS 2185	Specification for concrete masonry units
(Part 1) : 2005	Part 1 Hollow and solid concrete blocks ( <i>third revision</i> )
(Part 2) : 1983	Part 2 Hollow and solid lightweight concrete blocks ( <i>first revision</i> )

(Part 3) : 1984	Part 3 Autoclaved cellular (aerated) concrete blocks ( <i>first revision</i> )
(Part 4) : 2008	Part 4 Preformed foam cellular concrete blocks
IS 4996 : 1984	Specification for reinforced concrete fence posts ( <i>first revision</i> )
IS 5751 : 1984	Specification for precast concrete coping blocks ( <i>first revision</i> )
IS 5758 : 2020	Precast concrete kerbs channels edging quadrants and other associated fittings - Specification ( <i>second revision</i> )
IS 5820 : 2024	Precast concrete cable covers — Specification ( <i>first revision</i> )
IS 6072 : 2023	Autoclaved reinforced cellular concrete wall slabs — Specification ( <i>first revision</i> )
IS 6073 : 2006	Specification for autoclaved reinforced cellular concrete floor and roof slabs ( <i>first revision</i> )
IS 6441	Methods of test for autoclaved cellular concrete products
(Part 1) : 1972	Part 1 Determination of unit weight or bulk density and moisture content
(Part 2) : 1972	Part 2 Determination of drying shrinkage
(Part 4) : 1972	Part 4 Corrosion protection of steel reinforcement in autoclaved cellular concrete
(Part 5) : 1972	Part 5 Determination of compressive strength
(Part 6) : 1973	Part 6 Strength, deformation and cracking of flexural members subject to bending-short duration loading test
(Part 7) : 1973	Part 7 Strength, deformation and cracking of flexural members subject to bending-sustained loading test

(Part 8) : 1973	Part 8 Loading tests for flexural members in diagonal tension
(Part 9) : 1973	Part 9 Jointing of autoclaved cellular concrete elements
IS 6523 : 1983	Specification for precast reinforced concrete door and window frames ( <i>first revision</i> )
IS 9375 : 1979	Specification for precast reinforced concrete plant guards
IS 9872 : 1981	Specification for precast concrete septic tanks
IS 9893 : 1981	Specification for precast concrete blocks for lintels and sills
IS 12440 : 1988	Specification for precast concrete stone masonry blocks
IS 12592 : 2002	Specification for precast concrete manhole covers and frames ( <i>first revision</i> )
IS 13356 : 1992	Specification for precast ferrocement water tanks (250 to 10 000 litres capacity)
IS 13990 : 1994	Specification for precast reinforced concrete planks and joists for flooring and roofing
IS 14143 : 1994	Specification for prefabricated brick panel and partially precast concrete joist for flooring and roofing
IS 14201 : 1994	Specification for precast reinforced concrete channel unit for construction of floors and roofs
IS 14241 : 1995	Specification for precast L-Panel units for roofing
IS 18661 : 2024	Precast concrete grating — Specification
IS 18889 : 2024	Precast concrete paving flags — Specification
IS 18894 : 2024	Precast concrete paving grids and grass pavers — Specification



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*ii) Asbestos Fibre Cement Products*

IS 459 : 1992	Specification for corrugated and semi-corrugated asbestos cement sheets ( <i>third revision</i> )
IS 1592 : 2003	Specification for asbestos cement pressure pipes and joints ( <i>fourth revision</i> )
IS 1626	Specification for asbestos cement building pipes and pipe fittings, gutters and gutter fittings and roofing fittings
(Part 1) : 1994	Part 1 Pipes and pipe fittings ( <i>second revision</i> )
(Part 2) : 1994	Part 2 Gutters and gutter fittings ( <i>second revision</i> )
(Part 3) : 1994	Part 3 Roofing fittings ( <i>second revision</i> )
IS 2096 : 1992	Specification for asbestos cement flat sheets ( <i>first revision</i> )
IS 2098 : 1997	Specification for asbestos cement building boards ( <i>first revision</i> )
IS 5913 : 2003	Methods of test for asbestos cement products ( <i>second revision</i> )
IS 6908 : 1991	Specification for asbestos cement pipes and fittings for sewerage and drainage ( <i>first revision</i> )
IS 7639 : 1975	Method of sampling asbestos cement products
IS 9627 : 1980	Specification for asbestos cement pressure pipes (light duty)
IS 13000 : 1990	Silica-asbestos-cement flat sheets – Specification
IS 13008 : 1990	Specification for shallow corrugated asbestos cement sheets

*iii) Other Fibre Cement Products*

IS 14862 : 2000	Specification for fibre cement flat sheets
IS 14871 : 2000	Specification for products in fibre reinforced cement long corrugated or asymmetrical section sheets and fittings for roofing and cladding

*iv) Concrete Pipes and Pipes lined/coated with Concrete or Mortar*

IS 458 : 2021	Precast concrete pipes with and without reinforcement ( <i>fifth revision</i> )
IS 784 : 2019	Prestressed concrete pipes including specials - Specification ( <i>third revision</i> )
IS 1916 : 2018	Steel cylinder pipes with concrete lining and coating - Specification ( <i>second revision</i> )
IS 3597 : 1998	Methods of test for concrete pipes ( <i>second revision</i> )
IS 4350 : 1967	Specification for concrete porous pipes for under drainage
IS 7319 : 1974	Specification for perforated concrete pipes
IS 7322 : 1985	Specification for specials for steel cylinder reinforced concrete pipes ( <i>first revision</i> )
IS 15155 : 2020	Barwire wrapped steel cylinder pipes with mortar lining and coating including specials specification ( <i>first revision</i> )

**b) Resin Matrix Products**

IS 1998 : 1962	Methods of test for thermosetting synthetic resin bonded laminated sheets
IS 2036 : 1995	Specification for phenolic laminated sheets ( <i>second revision</i> )
IS 2046 : 1995	Specification for decorative thermosetting synthetic resin bonded laminated sheets ( <i>second revision</i> )

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## 10 CONDUCTORS AND CABLES

IS 694 : 2010	Polyvinyl chloride insulated unsheathed and sheathed cables/ cords with rigid and flexible conductor for rated voltages up to and including 450/750 V ( <i>fourth revision</i> )
IS 1554	Specification for PVC insulated (heavy duty) electric cables
(Part 1) : 1988	Part 1 For working voltages up to and including 1 100 volts ( <i>third revision</i> )
(Part 2) : 1988	Part 2 For working voltages from 3.3 kV up to and including 11 kV ( <i>second revision</i> )
IS 3961	Recommended current ratings for cables
IS 3961 (Part 2) : 2017	PVC insulated and PVC sheathed heavy duty cables ( <i>first revision</i> )
IS 3961 (Part 3) : 1968	Rubber insulated cables
IS 3961 (Part 5) : 1968	PVC insulated light duty cables
IS 3961 (Part 6) : 2016	Part 6 Crosslinked polyethylene insulated PVC sheathed cables
IS 3961 (Part 7) : 2017	Part 7 Crosslinked polyethylene insulated thermoplastic sheathed cables
IS 4289	Specification for flexible cables for lifts and other flexible connections
(Part 1) : 1984	Part 1 Elastomer insulated cables ( <i>first revision</i> )
(Part 2) : 2000	Part 2 PVC insulated circular cables
IS 7098	Cross-linked polyethylene insulated sheathed cables - Specification
(Part 1) : 1988	Part 1 For working voltage up to and including

	1 100 V ( <i>first revision</i> )
(Part 2) : 2011	Part 2 For working voltages form 3.3 kV up to and including 33 kV ( <i>second revision</i> )
(Part 3) : 1993	Part 3 For working voltages from 66 kV upto and including 220 kV
IS 9968	Specification for elastomer-insulated cables
(Part 1) : 1988	Part 1 For working voltages up to and including 1 100 V ( <i>first revision</i> )
(Part 2) : 2002	Part 2 For working voltages from 3.3 kV up to and including 33 kV ( <i>first revision</i> )
IS 10810	Methods of test for cables
(Part 0) : 1984	Part 0 General
(Part 1) : 1984	Part 1 Annealing test for wires used in conductors
(Part 2) : 1984	Part 2 Tensile test for aluminium wires
(Part 3) : 1984	Part 3 Wrapping test for aluminium wires
(Part 4) : 1984	Part 4 Persulphate test of conductor
(Part 5) : 1984	Part 5 Conductor resistance test
(Part 6) : 1984	Part 6 Thickness of thermoplastic and elastomeric insulation and sheath
(Part 7) : 1984	Part 7 Tensile strength and elongation at break of thermoplastic and elastomeric insulation and sheath
(Part 8) : 1984	Part 8 Breaking strength and elongation at break for impregnated paper insulation
(Part 9) : 1984	Part 9 Tear resistance for paper insulation
(Part 10) : 1984	Part 10 Loss of mass test
(Part 11) : 1984	Part 11 Thermal ageing in air

(Part 12) : 1984	Part 12 Shrinkage test
(Part 13) : 1984	Part 13 Ozone resistance test
(Part 14) : 1984	Part 14 Heat shock test
(Part 15) : 1984	Part 15 Hot deformation test
(Part 16) : 1986	Part 16 Accelerated ageing test by oxygen pressure method
(Part 17) : 1986	Part 17 Tear resistance test for heavy duty sheath
(Part 19) : 1984	Part 19 Bleeding and blooming test
(Part 20) : 1984	Part 20 Cold bend test
(Part 21) : 1984	Part 21 Cold impact test
(Part 22) : 1984	Part 22 Vicat softening point
(Part 23) : 1984	Part 23 Melt-flow index
(Part 24) : 1984	Part 24 Water soluble impurities test of insulating paper
(Part 25) : 1984	Part 25 Conductivity of water extract test of insulating paper
(Part 26) : 1984	Part 26 pH value of water extract test of insulating paper
(Part 27) : 1984	Part 27 Ash content test of insulating paper
(Part 28) : 1984	Part 28 Water absorption test (Electrical)
(Part 29) : 1984	Part 29 Environmental stress cracking test
(Part 30) : 1984	Part 30 Hot set test
(Part 31) : 1984	Part 31 Oil resistance test
(Part 32) : 1984	Part 32 Carbon content test for polyethylene

(Part 33) : 1984	Part 33 Water absorption test (Gravimetric)
(Part 34) : 1984	Part 34 Measurement of thickness of metallic sheath
(Part 35) : 1984	Part 35 Determination of tin in lead alloy for sheathing
(Part 36) : 1984	Part 36 Dimensions of armouring material
(Part 37) : 1984	Part 37 Tensile strength and elongation at break of armouring materials
(Part 38) : 1984	Part 38 Torsion test on galvanized steel wires for armouring
(Part 39) : 1984	Part 39 Winding test on galvanized steel strips for armouring
(Part 40) : 1984	Part 40 Uniformity of zinc coating on steel armour
(Part 41) : 1984	Part 41 Mass of zinc coating on steel armour
(Part 42) : 1984	Part 42 Resistivity test of armour wires and strips and conductance test of armour (wires/strips)
(Part 43) : 1984	Part 43 Insulation resistance
(Part 44) : 1984	Part 44 Spark test
(Part 45) : 1984	Part 45 High voltage test
(Part 46) : 1984	Part 46 Partial discharge test
(Part 47) : 1984	Part 47 Impulse test
(Part 48) : 1984	Part 48 Dielectric power factor test
(Part 49) : 1984	Part 49 Heating cycle test
(Part 50) : 1984	Part 50 Bending test
(Part 51) : 1984	Part 51 Dripping test

(Part 53) : 1984	Part 53 Flammability test
(Part 54) : 1984	Part 54 Static flexibility test
(Part 55) : 1986	Part 55 Abrasion test
(Part 56) : 1987	Part 56 Accelerated ageing by the air-pressure method
(Part 57) : 1987	Part 57 Flexing test
(Part 58) : 1998	Part 58 Oxygen index test
(Part 59) : 1988	Part 59 Determination of the amount of halogen acid gas evolved during combustion of polymeric materials taken from cables
(Part 60) : 1988	Part 60 Thermal stability of PVC insulation and sheath
(Part 61) : 1988	Part 61 Flame retardant test
(Part 62) : 1993	Part 62 Fire resistance test for bunched cables
(Part 63) : 1993	Part 63 Smoke density of electric cables under fire conditions
(Part 64) : 2003	Part 64 Measurement of temperature index
IS 12943 : 1990	Brass glands for PVC cables – Specification
IS 14763 : 2022	Conduit systems for cable management outside diameters of conduits for electrical installations and threads for conduits and fittings
IS 16205 (Part 1) : 2017	Conduit systems for cable management Part 1 General requirements
IS 16205 (Part 21) : 2017	Conduit systems for cable management Part 21 Particular requirements rigid conduit systems
IS 16205 (Part 22) : 2017	Conduit systems for cable management Part 22 Particular requirements - Pliable conduit systems

IS 16205 (Part 23) : 2017	Conduit systems for cable management Part 23 Particular requirements flexible conduit systems
IS 16205 (Part 24) : 2017	Conduit systems for cable management Part 24 Particular requirements conduit systems buried under ground
IS 16783 : 2018	Cable cleats for electrical installations
IS 17048 : 2018	Halogen free flame retardant HFFR cables for working voltages up to and including 1 100 Volts – Specification
IS 17293 : 2020	Electric cables for photovoltaic systems for rated voltage 1 500 V d. c.
IS 17505 (Part 1) : 2021	Specification for thermosetting insulated fire survival cables for fixed installation having low emission of smoke and corrosive gases when affected by fire for working voltages upto and including 1100 V A.C and 1500 V D.C Part 1 Requirements for Armoured Cables
IS 18833 : 2024 IEC 62895 : 2017	High voltage direct current (HVDC) power transmission — Cables with extruded insulation and their accessories for rated voltages up to 320 kV for land applications — Test methods and requirements
IS/IEC 60371-3-7 : 1995	Specification for Insulating Materials Based on MICA Part 3 Specifications for Individual materials Section 7 Polyester film mica paper with an epoxy resin binder for single conductor taping
IS/IEC 60371-3-8 : 1995	Specification for insulating materials based on MICA Part 3 Specification for individual materials Section 8 Mica paper tapes for flame resistant security cables
IS/IEC 62275 : 2018	Cable management systems - Cable ties for electrical installations ( <i>first revision</i> )



**11 DOORS, WINDOWS AND VENTILATORS****a) Wooden Doors, Windows and Ventilators**

IS 1003	Specification for timber panelled and glazed shutters
(Part 1) : 2003	Part 1 Door shutters ( <i>fourth revision</i> )
(Part 2) : 1994	Part 2 Window and ventilator shutters ( <i>third revision</i> )
<b>IS 2191</b>	<b>Wooden flush door shutters (cellular, hollow and tubular core type) – Specification</b>
<b>(Part 1) : 2022</b>	<b>Part 1 Plywood face panels (<i>fifth revision</i>)</b>
<b>(Part 2) : 2022</b>	<b>Part 2 Particle board high density fibre board medium density fibre board and fibre hardboard face panels (<i>fourth revision</i>)</b>
<b>IS 2202</b>	<b>Wooden flush door shutters solid core type – Specification</b>
<b>(Part 1) : 2023</b>	<b>Part 1 Plywood face panels (<i>seventh revision</i>)</b>
<b>(Part 2) : 2022</b>	<b>Part 2 Particle board high density fibre board medium density fibre board and hardboard face panels (<i>fourth revision</i>)</b>
IS 4020	Method of tests for door shutters
(Part 1) : 1998	Part 1 General ( <i>third revision</i> )
(Part 2) : 1998	Part 2 Measurement of dimensions and squareness ( <i>third revision</i> )
(Part 3) : 1998	Part 3 Measurement of general flatness ( <i>third revision</i> )
(Part 4) : 1998	Part 4 Local planeness test ( <i>third revision</i> )
(Part 5) : 1998	Part 5 Impact indentation test ( <i>third revision</i> )
(Part 6) : 1998	Part 6 Flexure test ( <i>third revision</i> )

(Part 7) : 1998	Part 7 Edge loading test ( <i>third revision</i> )
(Part 8) : 1998	Part 8 Shock resistance test ( <i>third revision</i> )
(Part 9) : 1998	Part 9 Buckling resistance test ( <i>third revision</i> )
(Part 10) : 1998	Part 10 Slamming test ( <i>third revision</i> )
(Part 11) : 1998	Part 11 Misuse test ( <i>third revision</i> )
(Part 12) : 1998	Part 12 Varying humidity test ( <i>third revision</i> )
(Part 13) : 1998	Part 13 End immersion test ( <i>third revision</i> )
(Part 14) : 1998	Part 14 Knife test ( <i>third revision</i> )
(Part 15) : 1998	Part 15 Glue adhesion test ( <i>third revision</i> )
(Part 16) : 1998	Part 16 Screw withdrawal resistance test ( <i>third revision</i> )
IS 4021 : 1995	Specification for timber door, window and ventilator frames ( <i>third revision</i> )
IS 6198 : 1992	Specification for ledged, braced and battened timber door shutters ( <i>second revision</i> )

#### **b) Metal Doors, Windows Frames and Ventilators**

IS 1038 : 1983	Specification for steel doors, windows and ventilators ( <i>third revision</i> )
IS 1361 : 1978	Specification for steel windows for industrial buildings ( <i>first revision</i> )
IS 1948 : 2024	Aluminium framed doors, windows and sliders — Specification ( <i>first revision</i> )
IS 4351 : 2024	Steel Frames for Doors — Specification ( <i>third revision</i> )
IS 6248 : 1979	Specification for metal rolling shutters and rolling

	grills ( <i>first revision</i> )
IS 7452 : 1990	Specification for hot rolled steel sections for doors, windows and ventilators ( <i>second revision</i> )
IS 10451 : 1983	Specification for steel sliding shutters (top hung type)
IS 10521 : 1983	Specification for collapsible gates
IS 18648 : 2024	Classification and performance requirements for doors, windows and sliders — Specification

### c) Plastic Doors and Windows

IS 14856 : 2000	Specification for glass fibre reinforced plastic (GRP) panel type door shutters for internal use
IS 15380 : 2023	Moulded high density fibre HDF panelled door shutters - Specification ( <i>first revision</i> )
IS 15931 : 2012	Solid panel foam UPVC door shutters – Specification
IS 17953 : 2023	uPVC profiles for windows and doors — Specification
IS 18648 : 2024	Classification and performance requirements for doors, windows and sliders — Specification

### d) Concrete Doors and Windows

IS 6523 : 1983	Specification for precast reinforced concrete door and window frames ( <i>first revision</i> )
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### e) Other Composite Material Doors and Windows

IS 16073 : 2013	Bamboo-jute composite panel door shutter- Specification
IS 16074 : 2024	Steel flush door shutters — Specification ( <i>first revision</i> )

IS 16096 : 2013	Bamboo-Jute composite hollow core door shutter — Specification
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**f) Fire Check Doors**

IS 3614 : 2021	Fire doors and doorsets - Specification ( <i>first revision</i> )
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**g) Mesh/Net for Mosquito/Vector Prevention**

IS 1568 : 1970	Specification for wire cloth for general purposes ( <i>first revision</i> )
IS 3150 : 1982	Specification for hexagonal wire netting for general purposes ( <i>second revision</i> )
IS 11199 : 2024	Textiles — High density polyethylene (HDPE) monofilament twine door nets — Specification ( <i>first revision</i> )

**h) Doors and Windows - Method of tests**

IS 4020	Method of tests for door shutters
(Part 1) : 1998	Part 1 General ( <i>third revision</i> )
(Part 2) : 1998	Part 2 Measurement of dimensions and squareness ( <i>third revision</i> )
(Part 3) : 1998	Part 3 Measurement of general flatness ( <i>third revision</i> )
(Part 4) : 1998	Part 4 Local planeness test ( <i>third revision</i> )
(Part 5) : 1998	Part 5 Impact indentation test ( <i>third revision</i> )
(Part 6) : 1998	Part 6 Flexure test ( <i>third revision</i> )
(Part 7) : 1998	Part 7 Edge loading test ( <i>third revision</i> )
(Part 8) : 1998	Part 8 Shock resistance test ( <i>third revision</i> )
(Part 9) : 1998	Part 9 Buckling resistance test ( <i>third revision</i> )

(Part 10) : 1998	Part 10 Slamming test ( <i>third revision</i> )
(Part 11) : 1998	Part 11 Misuse test ( <i>third revision</i> )
(Part 12) : 1998	Part 12 Varying humidity test ( <i>third revision</i> )
(Part 13) : 1998	Part 13 End immersion test ( <i>third revision</i> )
(Part 14) : 1998	Part 14 Knife test ( <i>third revision</i> )
(Part 15) : 1998	Part 15 Glue adhesion test ( <i>third revision</i> )
(Part 16) : 1998	Part 16 Screw withdrawal resistance test ( <i>third revision</i> )
IS 12458 : 2019	Fire resistance of through penetration firestops — Method of test ( <i>first revision</i> )
IS 17518 (Part 1) : 2022 ISO 3008-1:2019	Fire resistance tests — Door and shutter assemblies Part 1 General requirements
IS 17909 : 2022 ISO 8274 : 2005	Windows and doors — Resistance to repeated opening and closing — Test method
IS 17910 (Part 1) : 2022 ISO 12567-1:2010	Thermal performance of windows and doors — Determination of thermal transmittance by the Hot-Box method Part 1 Complete windows and doors
IS 17910 (Part 2) : 2022 ISO 12567-2 : 2005	Thermal performance of windows and doors — Determination of thermal transmittance by the Hot-Box method Part 2 Roof windows and other projecting windows
IS 17911 : 2022 ISO 15099 : 2003	Thermal performance of windows, doors and shading devices — Detailed calculations
IS 17920 : 2022 ISO 10077-2 : 2017	Thermal performance of windows, doors and shutters — Calculation of thermal transmittance — Numerical method for frames
IS 18268 : 2023 ISO 9379 : 2005	Operating forces — Test methods — Doors

IS 18434 : 2023	Field measurement of air permeability and water penetration through installed curtain wall, windows, doors, sliders and skylights under static air pressure difference — Method of test
IS 18459 : 2024	Water penetration of curtain walls, windows, sliders, doors and skylights by uniform static air pressure difference — Method of test
IS 18473 : 2024	Wind resistance for curtain walls, windows, sliders, doors and skylights — Method of test
IS 18647 : 2024	Water penetration of curtain walls, windows, sliders and doors by dynamic air pressure — Method of test
IS 18648 : 2024	Classification and performance requirements for doors, windows and sliders — Specification
IS 19006 : 2023 ISO 8248 : 1985	Windows and door height windows — Mechanical tests

## 12 ELECTRICAL WIRING, FITTINGS AND ACCESSORIES

IS 302 (Part 1) : 2024 IEC 60335-1 : 2020	Household and similar electrical appliances — Safety Part 1 General requirements ( <i>seventh revision</i> )
IS 302 (Part 2/Sec 21) : 2018	Safety of household and similar electrical appliances Part 2 Particular requirements Section 21 Stationary storage type electric water heaters ( <i>second revision</i> )
IS 302 (Part 2/Sec 35) : 2017	Safety of household and similar electrical appliances Part 2 Particular requirements Section 35 Electric instantaneous water heaters ( <i>second revision</i> )
IS 302 (Part 2/Sec 74) : 2024 IEC 60335-2-74 : 2021	Household and similar electrical appliances — Safety Part 2 Particular requirements Section 74 Portable immersion heaters
IS 302 (Part 2/Sec 80) : 2017	Household and similar electrical appliances - Safety Part 2-80 Particular requirements for fans ( <i>first revision</i> )
IS 369 : 2019	Household electric direct — Acting room heaters — Performance requirements ( <i>fourth revision</i> )

IS 371 : 1999	Specification for ceiling roses ( <i>third revision</i> )
IS 374 : 2019	Specification for electric ceiling type fans and regulators ( <i>third revision</i> )
IS 418 : 2004	Specification for tungsten filament lamp for domestic and similar general lighting purposes ( <i>fourth revision</i> )
IS 1258 : 2005	Specification for bayonet lamp holders ( <i>fourth revision</i> )
IS 1258 : 2024 IEC 61184 : 2017	Bayonet lampholders ( <i>fifth revision</i> )
IS 1293 : 2019	Plugs and socket- outlets of rated voltage up to and including 250 volts and rated current up to and including 16 amperes - Specification ( <i>fourth revision</i> )
IS 1554	PVC insulated (heavy duty) electric cables
(Part 1) : 1988	Part 1 For working voltages upto and including 1 100 V ( <i>third revision</i> )
(Part 2) : 1988	Part 2 For working voltages from 3.3 kV upto and including 11 kV ( <i>second revision</i> )
IS 2082 : 2018	Stationary storage type electric water heaters- specification ( <i>fifth revision</i> )
IS 2086 : 1993	Specification for carriers and bases used in re-wirable type electric fuses up to 650 volts ( <i>third revision</i> )
IS 2215 : 2006	Specification for starters for fluorescent lamps ( <i>third revision</i> )
IS 2418	Tubular fluorescent lamps for general lighting service
(Part 1) : 2018	Part 1 Safety requirements ( <i>second revision</i> )
(Part 2) : 2018	Part 2 Performance requirements ( <i>second revision</i> )
(Part 3) : 1977	Part 3 Dimensions of G-5 and G-13 bi-pin caps ( <i>first revision</i> )

(Part 4) : 1977	Part 4 Go and no-go gauges for G-5 and G-13 bi-pin caps ( <i>first revision</i> )
IS 3323 : 1980	Specification for bi-pin lamp holders for tubular fluorescent lamps ( <i>first revision</i> )
IS 3324 : 1982	Specification for holders for starters for tubular fluorescent lamps ( <i>first revision</i> )
IS 3419 : 1988	Specification for fittings for rigid non-metallic conduits ( <i>second revision</i> )
IS 3480 : 2024	Specification for flexible steel conduits for electrical wiring ( <i>first revision</i> )
IS 3480 : 2024	Flexible steel conduits for electrical wiring — Specification ( <i>first revision</i> )
IS 3724 : 2017	Cartridge type heating elements (non-embedded type) – Specification ( <i>first revision</i> )
IS 3837 : 1976	Specification for accessories for rigid steel conduits for electrical wiring ( <i>first revision</i> )
IS 3854 : 2023	Specification for switches for domestic and similar purposes ( <i>third revision</i> )
IS 4159 : 2021	Mineral filled sheathed heating elements ( <i>fourth revision</i> )
IS 4160 : 2005	Specification for interlocking switch socket outlets ( <i>first revision</i> )
IS 4649 : 1968	Specification for adaptors for flexible steel conduits
IS 9385 (Part 1) : 2024 IEC 60282-1 : 2020	High - Voltage fuses Part 1 Current - Limiting fuses ( <i>second revision</i> )
IS 9385 (Part 2) : 2018	High - Voltage fuses Part 2 Expulsion fuses ( <i>first revision</i> )
IS 9537	Specification for conduits for electrical installations



(Part 1) : 1980	Part 1 General requirements
(Part 2) : 1981	Part 2 Rigid steel conduits
(Part 3) : 1983	Part 3 Rigid plain conduits for insulating materials
(Part 4) : 1983	Part 4 Pliable self-recovering conduits for insulating materials
(Part 5) : 2000	Part 5 Pliable conduits of insulating materials
(Part 6) : 2000	Part 6 Pliable conduits of metal or composite materials
(Part 8) : 2003	Part 8 Rigid non threadable conduits of aluminium alloy
IS 9926 : 1981	Specification for fuse wires used in rewirable type electric fuses up to 650 volts
IS 10027 : 2018	Composite units of air-break switches and rewirable type fuses for voltages not exceeding 650 V a.c. — Specification ( <i>second revision</i> )
IS 10322	Specification for luminaires
(Part 1) : 2014	Part 1 General requirements and tests ( <i>first revision</i> )
(Part 5/Sec 1) : 2012	Part 5 Particular requirements, Section 1 General purpose luminaires ( <i>first revision</i> )
(Part 5/Sec 2) : 2012	Part 5 Particular requirements, Section 2 Recessed luminaires ( <i>first revision</i> )
(Part 5/Sec 3) : 2012	Part 5 Particular requirements, Section 3 Luminaires for road and street lighting ( <i>first revision</i> )
(Part 5/Sec 4) : 1987	Part 5 Particular requirements, Section 4 Portable general purpose luminaires
(Part 5/Sec 5) : 2013	Part 5 Particular requirements, Section 5 Flood light ( <i>first revision</i> )
(Part 5/Sec 6) : 2013	Part 5 Particular requirements, Section 6 Hand lamps

(Part 5/Sec 7) : 2017 IEC 60598-2-20 : 2014	Part 5 Particular requirements Sec 7 Lighting chains ( <i>first revision</i> )
(Part 5/Sec 8) : 2013	Part 5 Particular requirements, Section 8 Emergency lighting
(Part 5/Sec 9) : 2017 IEC 60598-2-21 : 2014	Part 5 Particular requirements Sec 9 Rope lights
IS 11037 : 2019	Electronic type fan regulators specification ( <i>first revision</i> )
IS 12640 (Part 1) : 2024 IEC 61008-1 : 2013	Residual current operated circuit-breakers without integral overcurrent protection for Household and Similar Uses (RCCBs) Part 1 General rules ( <i>third revision</i> )
IS 12640(Part 2) : 2016 IEC 61009-1 : 2012	Residual Current Operated Circuit-Breakers with Integral Overcurrent Protection for Household and Similar Uses (RCBOs) Part 2 General Rules ( <i>second revision</i> )
IS 12640 (Part 3) : 2018 IEC 1008-2-1 : 1990	Residual current operated circuit - Breakers without integral overcurrent protection for household and similar uses (RCCB's) Part 3 Applicability of the general rule to RCCB's functionally independent of line voltage
IS 12640 (Part 4) : 2018 IEC 61008-2-2 : 1990	Residual current operated circuit - breakers without integral overcurrent protection for household and similar uses (RCCB's) Part 4 Applicability of the general rules to RCCB's functionally dependent on line voltage
IS 12776 : 2002	Specification for galvanized strand for earthing ( <i>first revision</i> )
IS 13010 : 2002	AC watt-hour meters, Class 0.5, 1 and 2 ( <i>first revision</i> )
IS 13779 : 1999	AC static wathour meters (Class 1 and 2) ( <i>first revision</i> )
IS 13779 : 2020	ac static wathour meters class 1 and 2-

	Specefication ( <i>second revision</i> )
IS 13947 (Part 5/Sec 2) : 2004 IEC 60947-5-2(1 999)	Low - Voltage switchgear and controlgear - Specification Part 5 Control circuit devices and switching elements Sec 2 Proximity switches
IS 14614 : 2023	Residual current - operated protective devices (RCDs) for household and similar use - Electromagnetic compatibility ( <i>first revision</i> )
IS 14697 : 2021	a.c. Static transformer operated wathour meters (Class 0.2 S and 0.5 S) and Var-hour meters (Class 0.2 S, 0.5 S and 1 S) - Specification ( <i>first revision</i> )
IS 14763 : 2022	Conduit systems for cable management outside diameters of conduits for electrical installations and threads for conduits and fittings ( <i>first revision</i> )
IS 14768	Conduit fittings for electrical installations
(Part 1) : 2000	Part 1 General requirements
(Part 2) : 2003	Part 2 Metal conduit fittings
IS 14772 : 2020	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations general requirements ( <i>first revision</i> )
IS 14897 : 2021	Glass bulb designation system for lamps ( <i>first revision</i> )
IS 14927	Cable trunking systems and cable ducting systems for electrical installations
(Part 1) : 2023	Part 1 General requirements ( <i>first revision</i> )
(Part 2) : 2001	Part 2 Cable trunking and ducting systems intended for mounting on walls or ceilings
(Part 2/Sec 1) : 2023	Part 2-1 Particular requirements cable trunking systems and cable Ducting systems intended for mounting on walls and ceilings ( <i>first revision</i> )
IS 15111 (Part 1) : 2002	Self ballasted lamps for general lighting services: Part 1 Safety requirements

IS 15111 (Part 2) : 2002	Self ballasted lamps for general lighting services: Part 2 Performance requirements
IS 15368 : 2003	Cable reels for household and similar purposes
IS 15518(Part 1) : 2004	Safety requirements for incandescent lamps: Part 1 Tungsten filament lamps for domestic and similar general lighting purposes
IS 15787 : 2008	Switch-socket-outlets (non-interlock type)
IS 15968 : 2013	Ballasts for tubular fluorescent lamps — Performance requirements
IS 15974 : 2013	Auxiliaries for lamps - Starting devices (other than glow starters) - Performance requirements
IS 16102(Part 1) : 2012	Self ballasted LED-lamps for general lighting services: Part 1 Safety requirements
IS 16102 (Part 2) : 2017	Self - Ballasted led lamps for general lighting services Part 2 Performance requirements ( <i>first revision</i> )
IS 16103 (Part 1) : 2012	LED modules for general lighting: Part 1 Safety requirements
IS 16103 (Part 2) : 2012	LED modules for general lighting: Part 2 Performance requirements
IS 16148 : 2014 IEC61167 : 2011	Metal halide lamps - Performance specification
IS 16444 (Part 2) : 2017	a.c. Static transformer operated watt-hour and var-hour smart meters, class 0.2 s, 0.5 s and 1.0 s Part 2 Specification transformer operated smart meters
IS 16463 (Part 12) : 2017	Low-voltage surge protective devices Part 12 Surge protective devices connected to low-voltage power distribution systems - Selection and application principles
IS 16614 (Part 1) : 2018	Double- Capped LED linear lamps Part 1 Safety specification

IS 16614 (Part 1) : 2018	Double-Capped LED linear lamps - Part 2 performance requirements
IS 17119 : 2019	Residual current devices with or without overcurrent protection for socket-outlets for household and similar uses
IS 17122 : 2019	Electrical accessories — Circuit-Breakers and similar equipment for household use — Auxiliary contact units
IS 17345 (Part 1) : 2020	Power track system Part 1 General requirement
IS 17345 (Part 21) : 2020	Power track system Part 21 Particular requirements for power track systems intended for wall and ceiling mounting
IS 18751 : 2024	Polymer coated inner tanks for storage water heater — Specification
IS 18830 : 2024	Cord extension sets — Specifications
IS/IEC 60079 (Part 0) : 2017	Explosive atmospheres Part 0 Equipment — General requirements ( <i>third revision</i> )
IS/IEC 60079-1 : 2014	Explosive atmospheres - Part 1 Equipment protection by flameproof enclosures d ( <i>first revision</i> )
IS/IEC 60079 (Part 7) : 2017	Explosive atmospheres Part 7 Equipment protection by increased safety "e" ( <i>second revision</i> )
IS/IEC 60079 (Part 13) : 2017	Explosive atmospheres - Part 13 Equipment protection by pressurized room "p" and artificially ventilated room "v" ( <i>first revision</i> )
IS/IEC 60079 (Part 15) : 2017	Explosive atmospheres - Part 15 equipment protection by type of protection "n" ( <i>second revision</i> )
IS/IEC 60079 (Part 19) : 2019	Explosive atmospheres - Part 19: Equipment repair overhaul and reclamation ( <i>second revision</i> )
IS/IEC 60079 (Part 25) : 2020	Explosive atmospheres - Part 25: Intrinsically safe electrical systems ( <i>second revision</i> )
IS/IEC 60079 (Part 26) :	Explosive atmospheres - Part 26 : Equipment with

2021	separation elements or combined levels of protection ( <i>second revision</i> )
IS/IEC 60079 (Part 31) : 2022	Explosive atmospheres Part 31 Equipment dust ignition protection by enclosure “t” ( <i>second revision</i> )
IS/IEC TS 60079-39 : 2015	Explosive atmospheres Part 39 Intrinsically safe systems with electronically controlled spark duration limitation
IS/IEC TS 60079-42 : 2019	Explosive atmospheres Part 42 Electrical safety devices for the control of potential ignition sources from ex-equipment
IS/IEC TS 60079-43 : 2017	Explosive atmospheres Part 43 Equipment in adverse service conditions
IS/IEC 60079 (Part 46) : 2017	Explosive atmospheres Part 46 Equipment assemblies
IS/IEC TS 60079-47 : 2021	Explosive atmospheres Part 47 Equipment Protection by 2-Wire Intrinsically Safe Ethernet Concept (2-WISE)
IS/IEC 60309 (Part 1) : 2021	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 1 General requirements ( <i>second revision</i> )
IS/IEC 60309 (Part 2) : 2021	Plugs fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 2 Dimensional compatibility requirements for pin and contact-tube accessories ( <i>second revision</i> )
IS/IEC 60320 (Part 1) : 2021	Appliance couplers for household and similar general purposes Part 1: General requirements ( <i>first revision</i> )
IS/IEC 60320 (Part 2/Sec 3) : 2018	Appliance couplers for household and similar general purposes - Part 2 Particular requirement - Section 3 Appliance couplers with a degree of protection higher than IPX0 ( <i>first revision</i> )
IS/IEC 60669 (Part 2/Sec 1) : 2021	Switches for household and similar fixed electrical installations Part 2-1: Particular requirements electronic control devices ( <i>first revision</i> )

IS/IEC 60898-1 : 2015	Electrical accessories - Circuit - Breakers for overcurrent protection for household and similar installations Part 1 circuit - Breakers for a c operation <i>(first revision)</i>
IS/IEC 60898 (Part 2) : 2016	Electrical accessories circuit-Breakers for overcurrent protection for household and similar installations Part 2: Circuit-Breakers for ac and dc operation <i>(first revision)</i>
IS/IEC 60898 (Part 3) : 2019	Electrical accessories - Circuit-Breakers For overcurrent protection for household and similar installations - Part 3: Circuit-Breakers for dc operation
IS/IEC 60947-1 : 2020	Low-voltage switchgear and controlgear part 1 General rules <i>(second revision)</i>
IS/IEC 60947-2 : 2016	Low - Voltage switchgear and controlgear Part 2 circuit - Breakers <i>(First Revision)</i>
IS/IEC 60947 (Part 3) : 2020	Low - Voltage switchgear and controlgear Part 3 Switches disconnectors switch disconnectors and fuse - Combination units <i>(First Revision)</i>
IS/IEC 60947-4-1 : 2018	Low - Voltage switchgear and controlgear Part 4 Contactors and motor-starters Sec 1 Electromechanical contactors and motor - Starters <i>(second revision)</i>
IS/IEC 60947-4-2 : 2020	Low-Voltage switchgear and controlgear Part 4 Contactors and motor-starters Section 2 Semiconductor motor controllers, starters and soft-starters <i>(second revision)</i>
IS/IEC 60947-4-3 : 2020	Low-Voltage switchgear and controlgear Part 4 Contactors and motor-starters Section 3 Semiconductor controllers and semiconductor contactors for non-motor loads <i>(third revision)</i>
IS/IEC 60947 (Part 5/Sec 1) : 2016	Low - Voltage switchgear and controlgear Part 5 Control circuit devices and switching elements Sec 1 Electromechanical control circuit devices <i>(second revision)</i>

IS/IEC 60947-5-2 : 2019	LLow-Voltage switchgear and controlgear Part 5 control circuit devices and switching elements Section 2 Proximity switches ( <i>first revision</i> )
IS/IEC 60947-5-5 : 2016	Low - Voltage switchgear and controlgear Part 5 Control circuit devices and switching elements Sec 5 Electrical emergency stop devices with mechanical latching function
IS/IEC 60947-6-1 : 2021	Low-voltage switchgear and controlgear Part 6 Multiple function equipment Section 1 Transfer switching equipment ( <i>first revision</i> )
IS/IEC 60947-6-2 : 2020	Low-voltage switchgear and controlgear Part 6-2 Multiple function equipment - control and protective switching devices or equipment (CPS) ( <i>first revision</i> )
IS/IEC 60794-1-1 : 2015	Optical fibre cables Part 1 Generic specification Section 1 General ( <i>first revision</i> )
IS/IEC 60794-1-2 : 2017	Optical fibre cables Part 1 Generic specification Section 2 Basic optical cable test procedures — General guidance ( <i>first revision</i> )
IS/IEC 60794 (Part 2) : 2017	Optical fibre cables Part 2 Indoor cables - Sectional specification ( <i>first revision</i> )
IS/IEC 60794 (Part 2/Sec 11) : 2020	Optical fibre cables Part 2 Indoor cables Section 11 Detailed specification for simplex and duplex cables for use in premises cabling ( <i>first revision</i> )
IS/IEC 60794 (Part 4/Sec 20) : 2018	Optical fibre cables Part 4 Sectional specification Section 20 Aerial optical cables along electrical power lines family specification for ADSS all dielectric self-supported optical cables
IS/IEC 61058 (Part 1/Sec 1) : 2016	Switches for appliances Part 1 Particular requirements Section 1 Mechanical switches
IS/IEC 61058 (Part 1/Sec 2) : 2016	Switches for appliances Part 1 General requirements Section 2 Particular requirements for electronics switches
IS/IEC 61439 (Part 1) :	Low-Voltage switchgear and controlgear assemblies



2020	Part 1: General rules ( <i>first revision</i> )
IS/IEC 61439 (Part 2) : 2020	Low-Voltage switchgear and controlgear assemblies Part 2: Power switchgear and controlgear assemblies ( <i>first revision</i> )
IS/IEC 61757 : 2018	Fibre optic sensors — Generic specification
IS/IEC/TR 62655 : 2013	Tutorial and application guide for high-voltage fuses
IS/IEC 63008 : 2020	Household and Similar Electrical Appliances Accessibility of Control Elements, Doors, Lids, Drawers and Handles
IS/ISO/IEC 80079 (Part 20/Sec 1) : 2017	Explosive atmospheres - Part 20 Material characteristics for gas and vapour classification - Section 1 Test methods and data
IS/ISO/IEC 80079 (Part 20/Sec 2) : 2016	Explosive atmospheres Part 20 material characteristics Section 2 Combustible dusts test methods
IS/ISO/IEC 80079 (Part 36) : 2016	Explosive atmospheres Part 36 Non-electrical equipment for explosive atmospheres — Basic method and requirements
IS/ISO/IEC 80079 (Part 37) : 2016	Explosive atmospheres Part 37 Non-electrical equipment for explosive atmospheres — Non electrical type of protection constructional safety “c”, control of ignition source “b”, liquid immersion “k”

### 13 FILLERS, STOPPERS AND PUTTIES

IS 110 : 2017	Ready mixed paint brushing grey filler for enamels for use over primers - Specification ( <i>third revision</i> )
IS 419 : 1967	Specification for putty for use on window frames ( <i>first revision</i> )
IS 419 : 2023	Putty for use on window frames – specification ( <i>second revision</i> )
IS 423 : 1961	Specification for plastic wood, for joiner’s filler ( <i>revised</i> )

IS 3709 : 1966	Specification for mastic cement for bedding of metal windows
IS 7164 : 1973	Specification for stopper
IS 13184 : 1991	Specification for Mastic filler, epoxy based

## 14 FLOOR COVERING, ROOFING AND OTHER FINISHES

### a) Concrete Flooring

IS 1237 : 2012	Specification for cement concrete flooring tiles ( <i>second revision</i> )
IS 6073 : 2006	Autoclaved reinforced cellular concrete floor and roof slabs – Specification ( <i>first revision</i> )
IS 13801 : 2013	Chequered cement concrete tiles — Specification ( <i>first revision</i> )
IS 13990 : 1994	Specification for precast reinforced concrete planks and joists for flooring and roofing
IS 14201 : 1994	Precast reinforced concrete channel units for construction of floors and roofs — Specification
IS 15658 : 2021	Concrete paving blocks - Specification ( <i>first revision</i> )

### b) Flooring Compositions

IS 657 : 1982	Specification for materials for use in the manufacture of magnesium oxychloride flooring compositions ( <i>second revision</i> )
IS 9162 : 1979	Methods of tests for epoxy resin, hardeners and epoxy resin composition for floor topping
IS 9197 : 1979	Specification for epoxy resin, hardness and epoxy resin compositions for floor topping
IS 10132 : 1982	Method of test for materials for use in the preparation of magnesium oxychloride flooring composition

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**c) Linoleum Flooring**

IS 653 : 1992	Specification for linoleum sheets and tiles ( <i>third revision</i> )
IS 9704 : 1980	Methods of tests for linoleum sheets and tiles

**d) Rubber Flooring**

IS 809 : 1992	Specification for rubber flooring materials for general purposes ( <i>second revision</i> )
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**e) Stone Flooring**

IS 1128 : 1974	Specification for limestone (slab and tiles) ( <i>first revision</i> )
IS 1130 : 1969	Specification for marble (blocks, slabs and tiles)
IS 3316 : 1974	Specification for structural granite ( <i>first revision</i> )
IS 3622 : 1977	Specification for sand stone (slabs and tiles) ( <i>first revision</i> )
IS 14223 (Part 1) : 2023	Polished building stones specification Part 1 Granite and similar stones ( <i>first revision</i> )

**f) Bituminous Flooring**

IS 1195 : 2002	Specification for bitumen mastic for flooring ( <i>third revision</i> )
IS 5317 : 2002	Specification for pitch-mastic for bridge decking and roads ( <i>second revision</i> )
IS 8374 : 1977	Specification for bitumen mastic, anti-static and electrically conducting grade
IS 9510 : 1980	Specification for bitumen mastic acid resisting grade

IS 13026 : 1991	Specification for bitumen mastic for flooring for industries handling LPG and other light hydrocarbon products
IS 15194 : 2002	Specification for pitch-mastic flooring for industries handling heavy hydrocarbon products like kerosene, diesel and furnace oil

**g) Plastic Flooring**

IS 3461 : 1980	Specification for PVC asbestos floor tiles ( <i>first revision</i> )
IS 3462 : 1986	Specification for unbacked flexible PVC flooring ( <i>second revision</i> )
IS 3464 : 1986	Methods of test for plastic flooring and wall tiles ( <i>second revision</i> )

**h) Ceramic/Vitreous Flooring and Wall Finishing**

IS 2333 : 1992	Specification for plaster of Paris for ceramic industry ( <i>second revision</i> )
IS 4457 : 2007	Ceramic unglazed vitreous acid resisting tile — Specification ( <i>second revision</i> )
IS 13630	Ceramic tiles methods of test sampling and basis for acceptance
(Part 1) : 2019	Part 1 Determination of dimensions and surface quality ( <i>second revision</i> )
(Part 2) : 2019	Part 2 Determination of water absorption and bulk density ( <i>second revision</i> )
(Part 3) : 2019	Part 3 Determination of moisture expansion using boiling water ( <i>second revision</i> )
(Part 4) : 2019	Part 4 Determination of linear thermal expansion ( <i>second revision</i> )
(Part 5) : 2019	Part 5 Determination of resistance to thermal shock ( <i>second revision</i> )

(Part 6) : 2019	Part 6 Determination of modulus of rupture and breaking strength ( <i>second revision</i> )
(Part 7) : 2019	Part 7 Determination of stain and chemical resistance of unglazed tiles ( <i>second revision</i> )
(Part 8) : 2019	Part 8 Determination of stain and chemical resistance of glazed tiles ( <i>second revision</i> )
(Part 9) : 2019	Part 9 Determination of crazing resistance of glazed tiles ( <i>second revision</i> )
(Part 10) : 2019	Part 10 Determination of frost resistance ( <i>second revision</i> )
(Part 11) : 2019	Part 11 Determination of resistance to surface abrasion of glazed tiles ( <i>second revision</i> )
(Part 12) : 2019	Part 12 Determination of resistance to deep abrasion of unglazed tiles ( <i>second revision</i> )
(Part 13) : 2019	Part 13 Determination of scratch hardness of surface according to mohs scale ( <i>second revision</i> )
(Part 14) : 2019	Part 14 Determination of impact resistance by measurement of coefficient of restitution ( <i>first revision</i> )
(Part 15) : 2019	Part 15 Sampling and basis for acceptance ( <i>first revision</i> )
(Part 16) : 2019	Part 16 Determination of lead and cadmium given off by glazed tiles
IS 13712 : 2019	Ceramic tiles definitions classifications characteristics and marking ( <i>second revision</i> )
IS 15622 : 2017	Pressed ceramic tiles - Specification ( <i>first revision</i> )
IS 17933 : 2022	Fine ceramics (Advanced ceramics, advanced technical ceramics) - Test method for flexural strength of monolithic ceramics at room temperature
IS 17935 : 2022	Fine ceramics (Advanced Ceramics, Advanced Technical Ceramics) - Determination of density and apparent porosity

IS 17975 : 2022	Fine ceramics (Advanced Ceramics, Advanced Technical Ceramics) - Test method for fracture resistance of silicon nitride materials for rolling bearing balls at room temperature by indentation fracture (IF) method
IS 17981 : 2022	Fine ceramics (Advanced Ceramics, Advanced Technical Ceramics) - Test method for elastic moduli of monolithic ceramics at room temperature by sonic resonance
IS 17991 : 2022	Fine ceramics (Advanced Ceramics, Advanced Technical Ceramics) - Test method for hardness of monolithic ceramics at room temperature
IS 18221 : 2023	Fine ceramics (Advanced Ceramics, Advanced Technical Ceramics) - Test method for linear thermal expansion of monolithic ceramics by push-rod technique

**j) Clay Flooring**

IS 1478 : 2023	Clay flooring tiles specification ( <i>third revision</i> )
IS 3951	Hollow clay tiles for floors and roofs specification
(Part 1) : 2023	Part 1 Filler type ( <i>third revision</i> )
(Part 2) : 2023	Part 2 Structural type ( <i>third revision</i> )

**k) Roofing**

IS 277 : 2018	Galvanized steel strips and sheets plain and corrugated - Specification ( <i>seventh revision</i> )
IS 459 : 1992	Specification for corrugated and semi-corrugated asbestos cement sheets ( <i>third revision</i> )
IS 654 : 2023	Clay roofing tiles mangalore pattern specification ( <i>fourth revision</i> )
IS 1464 : 2024	Clay ridge and ceiling tiles — Specification ( <i>third revision</i> )

IS 2690	Burnt clay flat terracing tiles – Specification
(Part 1) : 2023	Part 1 Machine made ( <i>third revision</i> )
(Part 2) : 2023	Part 2 Handmade ( <i>third revision</i> )
IS 3951	Hollow clay tiles for floors and roofs specification ( <i>third revision</i> )
(Part 1) : 2023	Part 1 Filler type ( <i>third revision</i> )
(Part 2) : 2023	Part 2 Structural type ( <i>third revision</i> )
IS 6073 : 2006	Autoclaved reinforced cellular concrete floor and roof slabs ( <i>first revision</i> )
IS 6250 : 1981	Specification for roofing slate tiles ( <i>first revision</i> )
IS 10388 : 1982	Specification for corrugated coir wood wool cement roofing sheets
IS 12583 : 1988	Specification for corrugated bitumen roofing sheets
IS 12866 : 2021	Plastic translucent sheets made from thermo-setting polyester resin (Glassfibre reinforced) – Specification ( <i>first revision</i> )
IS 13317 : 2023	Clay roofing country tiles half round and flat tiles Specification ( <i>first revision</i> )
IS 13990 : 1994	Specification for precast reinforced concrete planks and joists for flooring and roofing
IS 14201 : 1994	Precast reinforced concrete channel units for construction of floors and roofs — Specification
IS 14241 : 1995	Specification for precast L-Panel units for roofing

**m) Other Floorings and Roofings**

IS 4456	Methods of test for chemical resistant mortars
(Part 1) : 1967	Part 1 Silicate type and resin type
(Part 2) : 1967	Part 2 Sulphur type
IS 4457 : 2007	Ceramic unglazed vitreous acid resisting tile — Specification ( <i>second revision</i> )
IS 4832	Chemical resistant mortars specification
(Part 1) : 2023	Part 1 Silicate type ( <i>first revision</i> )
(Part 2) : 2023	Part 2 Resin type ( <i>first revision</i> )
(Part 3) : 2023	Part 3 Sulphur type ( <i>first revision</i> )
IS 4860 : 1968	Specification for acid resistant bricks
IS 14862 : 2000	Specification for fibre cement flat sheets
IS 14143 : 1994	Specification for prefabricated brick panel and partially precast concrete joist for flooring and roofing
IS 14871 : 2000	Products in fibre reinforced cement — Long corrugated or asymmetrical section sheets and fittings for roofing and cladding — Specification
IS 18433 (Part 1) : 2023	Measurement of surface frictional properties — Methods of test Part 1 Pendulum test
IS 18433 (Part 2) : 2023	Measurement of surface frictional properties — Methods of test Part 2 Ramp test

**n) Wall Coverings/Finishing**

IS 1542 : 1992	Specification for sand for plaster ( <i>second revision</i> )
IS 3952 : 2013	Burnt clay hollow bricks and blocks for walls and partitions — Specification ( <i>third revision</i> )



IS 4456	Methods of test for chemical resistant mortars
(Part 1) : 1967	Part 1: Silicate type and resin type
(Part 2) : 1967	Part 2: Sulphur type
IS 4832	Chemical resistant mortars specification
(Part 1) : 2023	Part 1 Silicate type ( <i>first revision</i> )
(Part 2) : 2023	Part 2 Resin type ( <i>first revision</i> )
(Part 3) : 2023	Part 3 Sulphur type ( <i>first revision</i> )
IS 15418 : 2003	Wall coverings in roll form for finished wall papers, wall vinyls and plastic wall coverings — Specification

## 15 GLASS

IS 2553 (Part 1) : 2018	Safety glass - Specification Part 1 Architectural building and general uses ( <i>fourth revision</i> )
IS 2835 : 1987	Specification for flat transparent sheet glass ( <i>third revision</i> )
IS 3438 : 2023	Silvered glass mirrors for general purposes specification ( <i>third revision</i> )
IS 5437 : 1994	Specification for figured rolled and wired glass ( <i>first revision</i> )
IS 5437 : 2024	Rolled glass patterned extra clear patterned wired and wired-patterned glass specification ( <i>second revision</i> )
IS 9154 : 2020	Method for determination of alkali resistance of glass ( <i>first revision</i> )
IS 12869 (Part 1) : 2022	Methods for determination of viscosity and viscometric fixed points of glass - Part 1 Standard test methods ( <i>first revision</i> )
IS 12869 (Part 2) : 2022	Methods for determination of viscosity and

	viscometric fixed points of glass - Part 2 Determination of softening point ( <i>first revision</i> )
IS 14900 : 2018	Transparent float glass - Specification ( <i>first revision</i> )
IS 16526 : 2017	Atactic polypropylene (APP) modified bituminous waterproofing and damp-proofing membrane with glass fibre reinforcement – Specification
IS 16945 : 2018	Fire resistance test for glass walls
IS 16947 : 2018	Fire resistance tests for doors with glass panes, openable glass windows and sliding glass doors
IS 16978 (Part 1) : 2022	Glass in building - Forced-Entry security glazing Part 1 Test and classification by repetitive ball drop ( <i>first revision</i> )
IS 16978 (Part 2) : 2018	Glass in building — Forced-Entry security glazing Part 2 Test and classification by repetitive impact of a hammer and axe at room temperature
IS 16978 (Part 3) : 2018	Glass in building - Forced-entry security glazing Part 3 Test and classification by manual attack
IS 16978 (Part 4) : 2018	Glass in building - Forced - Entry security glazing Part 4 Test and classification by pendulum impact under thermally and fire stressed conditions
IS 16982 : 2018	Heat strengthened glass — Specification
IS 17004 : 2018	Testing methods for processed glass
IS 17346 : 2020	Insulating glazing unit — Specification
IS 17400 : 2021	Glass fibre reinforced gypsum building panels - Specification
IS 18222 : 2023	Glass-Resistance to attack by hydrochloric acid at 100°C - Flame emission or flame atomic absorption spectrometric method
IS 18518 : 2023	Bullet resistant security glass - Quality and performance requirements

**16 GYPSUM BASED MATERIALS**

IS 2095	Specification for gypsum plaster boards
(Part 1) : 2023	Gypsum plaster boards — Specification Part 1 Plain gypsum plaster boards ( <i>fourth revision</i> )
(Part 2) : 2022	Part 2 Coated laminated gypsum plaster boards ( <i>third revision</i> )
(Part 3) : 2022	Part 3 Reinforced gypsum plaster boards tiles cornices and mouldings ( <i>third revision</i> )
IS 2542	Gypsum plaster concrete and products methods of test
(Part 1/Sec 1) : 2023	Part 1 Plaster and concrete Section 1 Determination of normal consistency of gypsum plaster ( <i>second revision</i> )
(Part 1/Sec 2) : 2023	Part 1 Plaster and concrete Section 2 Determination of normal consistency of gypsum concrete ( <i>second revision</i> )
(Part 1/Sec 3) : 2023	Part 1 Plaster and concrete Section 3 Determination of setting time of plaster and concrete ( <i>second revision</i> )
(Part 1/Sec 4) : 2023	Part 1 Plaster and concrete Section 4 Determination of transverse strength of gypsum plaster ( <i>second revision</i> )
(Part 1/Sec 5) : 2023	Part 1 Plaster and concrete Section 5 Determination of compressive strength and dry set density of gypsum plaster ( <i>second revision</i> )
(Part 1/Sec 6) : 2023	Part 1 Plaster and concrete Section 6 Determination of soundness of gypsum plaster ( <i>second revision</i> )
(Part 1/Sec 7) : 2023	Part 1 Plaster and concrete Section 7 Determination of impact resistance of gypsum plaster by dropping ball test ( <i>second revision</i> )
(Part 1/Sec 8) : 2023	Part 1 Plaster and concrete Section 8 Determination of mass of coarse particles ( <i>second revision</i> )
(Part 1/Sec 9) : 2023	Part 1 Plaster and concrete Section 9 Determination of

	expansion of gypsum plaster ( <i>second revision</i> )
(Part 1/Sec 10) : 2023	Part 1 Plaster and concrete Section 10 Determination of sand in set gypsum plaster ( <i>second revision</i> )
(Part 1/Sec 11) : 2023	Part 1 Plaster and concrete Section 11 Determination of wood fibre content in wood fibre gypsum plaster ( <i>second revision</i> )
(Part 1/Sec 12) : 2023	Part 1 Plaster and concrete Section 12 Determination of dry bulk density ( <i>second revision</i> )
(Part 1/Sec 13) : 2023	Part 1 Plaster and Concrete Section 13 Determination of free water ( <i>second revision</i> )
(Part 1/Sec 14) : 2023	Part 1 Plaster and Concrete Section 14 Determination of fineness ( <i>second revision</i> )
(Part 1/Sec 1 to 12) : 1978	Methods of test for gypsum plaster concrete and products Part 1 Plaster and concrete ( <i>first revision</i> )
(Part 2/Sec 1) : 1981	Part 2 Gypsum products: Section 1 Measurement of dimensions ( <i>first revision</i> )
(Part 2/Sec 2) : 1981	Part 2 Gypsum products: Section 2 Determination of mass ( <i>first revision</i> )
(Part 2/Sec 3) : 1981	Part 2 Gypsum products: Section 3 Determination of mass and thickness of paper surfacing ( <i>first revision</i> )
(Part 2/Sec 4) : 1981	Part 2 Gypsum products: Section 4 Transverse strength ( <i>first revision</i> )
(Part 2/Sec 5) : 1981	Part 2 Gypsum products: Section 5 Compressive strength ( <i>first revision</i> )
(Part 2/Sec 6) : 1981	Part 2 Gypsum products: Section 6 Water absorption ( <i>first revision</i> )
(Part 2/Sec 7) : 1981	Part 2 Gypsum products: Section 7 Moisture content ( <i>first revision</i> )
(Part 2/Sec 8) : 1981	Part 2 Gypsum products: Section 8 Nail retention of precast reinforced gypsum slabs ( <i>first revision</i> )

IS 2547	Specification for gypsum building plaster
(Part 1) : 1976	Part 1 Excluding premixed lightweight plaster ( <i>first revision</i> )
(Part 2) : 1976	Part 2 Premixed lightweight plaster ( <i>first revision</i> )
IS 2849 : 1983	Specification for non-load bearing gypsum partition blocks (solid and hollow types) ( <i>first revision</i> )
IS 8272 : 1984	Specification for gypsum plaster for use in the manufacture of fibrous plasterboards ( <i>first revision</i> )
IS 9498 : 1980	Specification for inorganic aggregates for use in gypsum plaster
<b>IS 12679 : 2023</b>	<b>By-Product gypsum for construction - Specification (<i>second revision</i>)</b>

### 17 MORTAR (including sand for mortar)

IS 2116 : 1980	Sand for masonry mortars — Specification ( <i>first revision</i> )
IS 2250 : 1981	Code of practice for preparation and use of masonry mortars ( <i>first revision</i> )
IS 3085 : 1965	Method of test for permeability of cement mortar and concrete
IS 4098 : 1983	Specification for lime-pozzolana mixture ( <i>first revision</i> )
IS 4456	Methods of test for chemical resistant mortars
(Part 1) : 1967	Part 1 Silicate type and resin type
(Part 2) : 1967	Part 2 Sulphur type
<b>IS 4832</b>	<b>Chemical resistant mortars specification</b>
<b>(Part 1) : 2023</b>	<b>Part 1 Silicate type (<i>first revision</i>)</b>

(Part 2) : 2023	Part 2 Resin type ( <i>first revision</i> )
(Part 3) : 2023	Part 3 Sulphur type ( <i>first revision</i> )
IS 13077 : 1991	Guide for preparation and use of mud mortar in masonry
IS 14959	Method of test determination of water soluble and acid soluble chlorides in mortar and concrete
(Part 1) : 2001	Part 1 Fresh mortar and concrete
(Part 2):2001	Part 2 Hardened mortar and concrete

## 18 PAINTS AND ALLIED PRODUCTS

### a) Water Based Paints and Pigments

IS 427:2013	Distemper, dry, colour as required — Specification ( <i>third revision</i> )
IS 428:2013	Washable distemper — Specification ( <i>third revision</i> )
IS 5410:2013	Specification for cement paint ( <i>second revision</i> )
IS 15489:2024	Paint, plastic emulsion — Specification ( <i>second revision</i> )

### b) Ready Mixed Paints, Enamels and Powder Coatings

IS 101	Methods of sampling and test for paints, varnishes and related products
(Part 1/Sec 1) : 2023	Part 1 Tests on liquid paints general and physical Sec 1 Sampling ( <i>fourth revision</i> )
(Part 1/Sec 2) : 2023 ISO 1513 : 2010	Part 1 test on liquid paints general and physical Sec 2 Preliminary examination and preparation of samples for testing ( <i>fourth revision</i> )
(Part 1/Sec 3):1986	Part 1 Test on liquid paints (general and physical):

	Section 3 Preparation of panels ( <i>third revision</i> )
IS 101 (Part 1/Sec 4) : 2024	Methods of sampling and test for paints, varnishes and related products Part 1 Tests on liquid paints (general and physical) Section 4 Brushing test ( <i>fourth revision</i> )
(Part 1/Sec 5) : 1989	Part 1 Test on liquid paints (general and physical) : Section 5 Consistency ( <i>third revision</i> )
(Part 1/Sec 5) : 2024	Methods of sampling and test for paints, varnishes and related products - Part 1 Tests on liquid paints (General and Physical) - Section 5 Consistency ( <i>fourth revision</i> )
(Part 1/Sec 6):1987	Part 1 Test on liquid paints (general and physical): Section 6 Flash point ( <i>third revision</i> )
(Part 1/Sec 7) : 2020 ISO 2811-1	Part 1 Test on liquid paints general and physical Section 7 Mass per 10 litres determination of density pycnometer method ( <i>fourth revision</i> )
(Part 1/Sec 8) : 2022 ISO 787-9:2019	Part 1 Test on liquid paints general and physical Section 8 Pigments and extenders determination of pH value of an aqueous suspension ( <i>first revision</i> )
(Part 2/Sec 1) : 2018	Part 2 Test on liquid paints chemical examination Sec 1 Water content ( <i>fourth revision</i> )
(Part 2/Sec 2):1986	Part 2 Test on liquid paints (Chemical examination): Section 2 Volatile matter ( <i>third revision</i> )
(Part 2/Sec 3) : 2015 ISO 11890-1	Part 2 Test on liquid paints chemical examination Sec 3 Determination of volatile organic compound VOC content - Difference method
(Part 2/Sec 4) : 2022 ISO 11890-2:2020	Part 2 TEST on liquid paints chemical examination Section 4 Determination of volatile organic compound voc and or semi volatile organic compounds svoc content gas-chromatographic ( <i>first revision</i> )
(Part 2/Sec 5) : 2017 ISO 17895 : 2005	Part 2 Test on liquid paints Chemical Examination Sec 5 Determination of volatile organic compound content of low - Voc emulsion paints In - Can Voc

(Part 3/Sec 1):1986	Part 3 Tests on paint film formation: Section 1 Drying time ( <i>third revision</i> )
(Part 3/Sec 2):1989	Part 3 Tests on paint film formation: Section 2 Film thickness ( <i>third revision</i> )
(Part 3/Sec 4):1987	Part 3 Tests on paint film formation: Section 4 Finish ( <i>third revision</i> )
(Part 3/Sec 5) : 2022 ISO 1524 : 2020	Part 3 Test on paint film formation Section 5 Determination of fineness of grind ( <i>fifth revision</i> )
IS 101 (Part 3/Sec 6) : 2024 ISO 19403-3 : 2017	Methods of sampling and test of paints, varnishes and related products Part 3 Test on paint film formation Section 6 Determination of the surface tension of liquid using the pendant drop method
(Part 4/Sec 1):1988	Part 4 Optical test: Section 1 Opacity ( <i>third revision</i> )
(Part 4/Sec 2) : 2021 ISO 3668 : 2017	Part 4 Optical tests Sec 2 Colour-visual comparison of colour of paints ( <i>fourth revision</i> )
(Part 4/Sec 3):1988	Part 4 Optical test: Section 3 Light fastness test ( <i>third revision</i> )
(Part 4/Sec 4) : 2020 ISO 2813: 2014	Part 4 Optical test section 4 gloss determination of gloss value at 20 60 and 85 ( <i>fourth revision</i> )
(Part 5/Sec 1):1988	Part 5 Mechanical test on paint films: Section 1 Hardness tests ( <i>third revision</i> )
(Part 5/Sec 2):1988	Part 5 Mechanical test on paint films: Section 2 Flexibility and adhesion ( <i>third revision</i> )
(Part 5/Sec 3) : 2019 ISO 6272-1 : 2011	Part 5 Mechanical tests Sec 3 Impact resistance - Falling - Weight test large - Area indenter ( <i>fifth revision</i> )
(Part 5/Sec 4):1988	Part 5 Mechanical test on paint films: Section 4 Print free test ( <i>third revision</i> )
(Part 5/Sec 5) : 2019 ISO 6272-2 : 2011	Part 5 Mechanical tests Sec 5 Impact resistance - Falling - Weight test small - Area indenter



IS 101 (Part 5/Sec 6) : 2024 ISO 7784-1 : 2023	Methods of sampling and test for paints varnishes and related products Part 5 Mechanical tests Section 6 Determination of resistance to abrasion by abrasive-paper covered wheels and rotating test specimen
IS 101 (Part 5/Sec 7) : 2024 ISO 7784-2 : 2023	Methods of sampling and test for paints, varnishes and related products Part 5 Mechanical tests Section 7 Determination of resistance to abrasion by abrasive rubber wheels and rotating test specimen
(Part 6/Sec 1):1988	Part 6 Durability tests: Section 1 Resistance to humidity under conditions of condensation ( <i>third revision</i> )
(Part 6/Sec 2):1989	Part 6 Durability tests: Section 2 Keeping properties ( <i>third revision</i> )
(Part 6/Sec 3):1990	Part 6 Durability tests: Section 3 Moisture vapour permeability ( <i>third revision</i> )
(Part 6/Sec 4):1991	Part 6 Durability tests: Section 4 Degradation of coatings (pictorial aids for evaluation)
(Part 6/Sec 5):1997	Part 6 Durability tests: Section 5 Accelerated weathering test ( <i>third revision</i> )
(Part 7/Sec 1):1989	Part 7 Environmental tests on paint films: Section 1 Resistance to water ( <i>third revision</i> )
(Part 7/Sec 2):1990	Part 7 Environmental tests on paint films: Section 2 Resistance to liquids ( <i>third revision</i> )
(Part 7/Sec 3) : 2020 ISO 3248 : 2016	Part 7 Environmental tests on paint films Section 3 Determination of the effect of heat ( <i>fourth revision</i> )
(Part 7/Sec 4):1990	Part 7 Environmental tests on paint films: Section 4 Resistance to bleeding of pigments ( <i>third revision</i> )
(Part 8/Sec 1): 1989	Part 8 Tests for pigments and other solids: Section 1 Residue on sieve ( <i>third revision</i> )
(Part 8/Sec 2):1990	Part 8 Tests for pigments and other solids: Section 2 Pigments and non –volatile matter ( <i>third revision</i> )

(Part 8/Sec 3):1993	Part 8 Tests for pigments and other solids: Section 3 Ash content ( <i>third revision</i> )
(Part 8/Sec 4) : 2015	Part 8 Tests for pigments and other solids Sec 4 Phthalic anhydride ( <i>fourth revision</i> )
(Part 8/Sec 5) : 2022	Part 8 Tests for Pigments and other solids Section 5 Lead restriction test ( <i>fourth revision</i> )
(Part 8/Sec 6) :1993	Part 8 Tests for pigments and other solids: Section 6 Volume solids
(Part 9/Sec 1):1993	Part 9 Tests for lacquers and varnish: Section 1 Acid value ( <i>third revision</i> )
(Part 9/Sec 2):1993	Part 9 Tests for lacquers and varnish: Section 2 Rosin test ( <i>third revision</i> )
(Part 10/Sec 1) : 2022 ISO 13320 : 2020	Part 10 Instrumental Analysis Section 1 Particle size analysis- Laser diffraction methods ( <i>first revision</i> )
(Part 10/Sec 2) : 2018 ISO 16773-1 : 2016	Part 10 Instrumental analysis Sec 2 Electrochemical impedance spectroscopy EIS on coated and uncoated metallic specimens - Terms and definitions
(Part 10/Sec 3) : 2018 ISO 16773-2 : 2016	Part 10 Instrumental analysis Sec 3 Electrochemical impedance spectroscopy EIS on coated and uncoated metallic specimens - Collection of data
(Part 10/Sec 4) : 2018 ISO 16773-3 : 2016	Part 10 Instrumental analysis Sec 4 Electrochemical impedance spectroscopy EIS on coated and uncoated metallic specimens - Processing and analysis of data from dummy cells
(Part 10/Sec 5) : 2018 ISO 16773-4	Part 10 Instrumental analysis Sec 5 Electrochemical impedance spectroscopy EIS on coated and uncoated metallic specimens - Examples of spectra of polymer - Coated and uncoated specimens
IS 101 (Part 11/Sec 2) : 2024 ISO 4628-2 : 2016	Methods of sampling and test for paints, varnishes and related products Part 11 Evaluation of degradation of coatings — Designation of quantity and size of defects and of intensity of uniform changes in appearance Section 2 Assessment of

	degree of blistering
IS 101 (Part 11/Sec 5) : 2024 ISO 4628-5 : 2022	Methods of sampling and test for paints, varnishes and related products Part 11 Evaluation of degradation of coatings — Designation of quantity and size of defects and of intensity of uniform changes in appearance Section 5 Assessment of degree of flaking
IS 104 : 2017	Specification for ready mixed paint brushing zinc chrome priming ( <i>third revision</i> )
IS 109 : 2017	Specification for ready mixed paint finishing priming plaster to indian standard colour no 361 light stone and no 631 light grey white and off - White ( <i>second revision</i> )
IS 133 : 2023	Enamel interior A undercoating B finishing – Specification ( <i>sixth revision</i> )
IS 137 : 2017	Ready mixed paint brushing matt or eggshell flat finishing interior to indian standard colour as required - Specification ( <i>second revision</i> )
IS 151 : 2017	Ready mixed paint, spraying, finishing, stoving, enamel for general purposes, colour as required - specification ( <i>second revision</i> )
IS 158 : 2015	Ready mixed paint brushing bituminous black acid alkali and heat resisting - Specification ( <i>fourth revision</i> )
IS 159 : 2024	Ready mixed paint, brushing, acid resisting — Specification ( <i>second revision</i> )
IS 164 : 2023	Ready mixed paint for road marking-Specification ( <i>third revision</i> )
IS 168 : 2016	Ready mixed paint air drying for general purpose - Specification ( <i>fourth revision</i> )
IS 341 : 2016	Black japan, types A, B and C – Specification ( <i>second revision</i> )
IS 486 : 2023	Brushes, sash tool for paints and varnishes-

	Specification ( <i>fifth revision</i> )
IS 2074 : 2023	Ready mixed paint air drying red oxide zinc chrome priming -Specification ( <i>fourth revision</i> )
IS 2075 : 2017	Ready mixed paint stoving red oxide zinc chrome priming - Specification ( <i>third revision</i> )
IS 2339:2013	Specification for aluminium paint for general purposes ( <i>first revision</i> )
IS 2932 (Part 1) : 2013	Enamel, synthetic, exterior: (a) undercoating (b) finishing – Specification Part 1 For domestic and decorative applications ( <i>fourth revision</i> )
IS 2932(Part 1):2013	Enamel, synthetic, exterior (a) undercoating, (b) finishing- Specification: Part 1 For household and decorative applications ( <i>fourth revision</i> )
IS 2933 (Part 1) : 2013	Enamel, exterior: (a) undercoating (b) finishing - Specification Part 1 for domestic and decorative applications ( <i>second revision</i> )
IS 3536 : 2016	Ready mixed paint, brushing, wood primer - Specification ( <i>second revision</i> )
IS 3537 : 2017	Ready mixed paint, finishing, interior, for general purposes, to Indian standard colours - Specification ( <i>first revision</i> )
IS 3539:1966	Specification for ready mixed paint, undercoating, for use under oil finishes, to Indian Standard colours, as required
IS 3585 : 2018	Ready mixed paint, aluminium, brushing, priming, water resistant for woodwork - Specification ( <i>first revision</i> )
IS 3678 : 2016	Ready mixed paint, thick white, for lettering - Specification ( <i>first revision</i> )
IS 8687 (Part 1) : 2023	Vitreous enamels and frits - Method of test Part 1 Sieve analysis ( <i>first revision</i> )
IS 8687 (Part 2) : 2020	Methods of test for vitreous enamels and frits Part 2 Fusion flow test ( <i>first revision</i> )

IS 8709 : 2023	Colour retention of vitreous enamel coatings - Method of test ( <i>first revision</i> )
IS 8767 : 2020	Calcium carbonate, precipitated, and activated, for paints - Specification ( <i>first revision</i> )
IS 9862 : 2017	Specification for ready mixed paint brushing bituminous black acid alkali water and chlorine resisting ( <i>first revision</i> )
IS 11883 : 2017	Ready mixed paint, brushing, red oxide, priming for metals - Specification ( <i>first revision</i> )
IS 12744 (Part 1) : 2013	Ready mixed paint, air drying, red oxide – Zinc phosphate, priming – Specification Part 1 For domestic and decorative applications ( <i>fourth revision</i> )
IS 13183:1991	Specification for aluminium paints, heat resistant
IS 13213 : 2018	Polyurethane full gloss enamel (two pack) - Specification ( <i>first revision</i> )
IS 13607:1992	Specification for ready mixed paint, finishing, general purposes, synthetic
IS 13871 : 2021	Powder coating – Specification ( <i>first revision</i> )
IS 14506:1998	Epoxy redoxide zinc phosphate weldable primer, two component – Specification
IS 14589:1999	Zinc priming paint, epoxy based, two pack – Specification
IS 16719 : 2022	Solvent free polyurethane coatings for exterior of steel pipe and fittings – Specification ( <i>first revision</i> )
IS 16942 : 2018	Silicone soya alkyd exterior paint — Specification
IS 17044 : 2018	Intumescent fire retardant paint (water based) — Specification
IS 17680 (Part 1) : 2021	Analytical colorimetry Part 1 Practical colour

ISO 18314-1 : 2015	measurement
IS 18563 : 2024	Nanomodified paints and coatings — Code of practice
IS 19003 : 2022	Re-dispersible polymer powder - Specification

### c) Thinners and Solvents

IS 82:1973	Methods of sampling and test for thinners and solvents for paints ( <i>first revision</i> )
IS 384 (Part 1) : 2023	Flat brushes for paints and varnishes - Specification - Part 1 Heavy duty ( <i>seventh revision</i> )
IS 384 (Part 2) : 2023	Brushes, paints and varnishes, flat - Specification - Part 2 Household purposes ( <i>seventh revision</i> )
IS 430:1972	Specification for Paint remover, solvent type, non-flammable ( <i>second revision</i> )
IS 431:1972	Specification for Paint remover, solvent type, flammable ( <i>second revision</i> )
IS 486 : 2023	Brushes, sash tool for paints and varnishes - Specification ( <i>fifth revision</i> )
IS 487 : 2023	Brushes, paints and varnishes - Oval, ferrule bound; and round, ferrule bound ( <i>sixth revision</i> )
IS 533:2007	Specification for gum spirit of turpentine (oil of turpentine) ( <i>third revision</i> )
IS 644 : 2023	Dipentene for paints - Specification ( <i>third revision</i> )
IS 5667:1970	Specification for thinner for cellulose nitrate based paints and lacquers
IS 14314:1995	Specification for thinner general purposes for synthetic paints and varnishes

**d) Varnishes and Lacquers**

IS 337:1975	Specification for varnish, finishing, interior ( <i>first revision</i> )
IS 344 : 2023	Varnish stoving - Specification ( <i>second revision</i> )
IS 347 : 2023	Varnish shellac for general purposes - Specification ( <i>second revision</i> )
IS 348:1968	Specification for French polish ( <i>first revision</i> )
IS 524:1983	Specification for varnish, finishing, exterior, synthetic ( <i>second revision</i> )
IS 525:1968	Specification for varnish, finishing, exterior and general purposes ( <i>first revision</i> )
IS 642 : 2024	Varnish medium for aluminium paint — Specification ( <i>second revision</i> )
IS 5691 : 2024	Lacquer, cellulose nitrate, pigmented, finishing, glossy — Specification ( <i>first revision</i> )
IS 6127 : 2023	Varnish, spar and fungicidal – Specification ( <i>first revision</i> )
IS 10018:1981	Specification for lacquer, cellulose, nitrate clear, finishing, glossy for wood

**19 POLYMERS, PLASTICS AND GEOSYNTHETICS/GEOTEXTILES**

IS 1998:1962	Methods of test for thermosetting synthetic resin bonded laminated sheets
IS 2036:1995	Specification for phenolic laminated sheets ( <i>second revision</i> )
IS 2046:1995	Specification for decorative thermosetting synthetics resin bonded laminated sheets ( <i>second revision</i> )
IS 2076:1981	Specification for unsupported polyvinyl chloride

	sheeting ( <i>first revision</i> )
IS 2508 : 2024	Polyethylene films and sheets - Specification ( <i>fourth revision</i> )
IS 6307 : 2023	Rigid PVC sheets - Specification ( <i>second revision</i> )
IS 10889:2004	Specification for high density polyethylene films ( <i>first revision</i> )
IS 12830:1989	Specification for rubber based adhesives for fixing PVC tiles to cement
IS 13162 (Part 2) : 2024	Geotextiles — Methods of test Part 2 Determination of resistance to the exposure of ultraviolet light, moisture and heat (xenon-arc type apparatus) ( <i>first revision</i> )
IS 13162 (Part 3) : 2021	Geosynthetics - Determination of thickness at specified pressures (Part 3): Single layers ( <i>first revision</i> )
IS 13162 (Part 4) : 1992	Geotextiles – Methods of test Part 4 Determination of puncture resistance by falling cone method
IS 13262:1992	Specification for pressure sensitive adhesive tapes with plastic base
IS 13325:1992	Method of test for the determination to tensile properties of extruded polymer geogrids using the wide strip
IS 13326(Part 1):1992	Method of test for the evaluation of interface friction between geosynthetics and soil Part 1: Modified direct shear technique
IS 14182:1994	Specification for solvent cement for use with unplasticized polyvinylchloride plastic pipe and fittings
IS 14293:1995	Method of test for trapezoid tearing - Geotextiles
IS 14294:2024	Geotextiles — Method for determination of apparent opening size by dry sieving technique ( <i>first revision</i> )
IS 14324:1995	Method of test for determination of water permeability-permittivity - Geotextiles



IS 14443:1997	Specification for polycarbonate sheets
IS 14500:1998	Linear low-density polyethylene (LLDPE) films — Specification
IS 14643:1999	Specification for unsintered polytetrafluoroethylene (PTFE) Tape for thread sealing applications
IS 14706 : 2024 ISO 9862 : 2023	Geosynthetics — Sampling and preparation of test specimens ( <i>first revision</i> )
IS 14714 : 2024	Geotextiles — Determination of abrasion resistance ( <i>first revision</i> )
IS 14715	Jute geotextiles -
(Part 1) : 2016	Part 1 Strengthening of sub - grade in roads - Specification ( <i>second revision</i> )
(Part 2) : 2016	Part 2 Control of bank erosion in rivers and waterways - Specification ( <i>second revision</i> )
IS 14716 : 2021	Geosynthetics - Test method for the determination of mass per unit area of geotextiles and geotextile-related products ( <i>first revision</i> )
IS 14739 : 2021 ISO 13431 : 1999	Geotextiles and geotextile - related products Determination of tensile creep and creep rupture behaviour ( <i>first revision</i> )
IS 14753:1999	Specification for poly(methyl) methacrylate (PMMA) (Acrylic) sheets
IS 14986:2001	Guidelines for application of jute geotextile for rain water erosion control in road and railway embankments and hill slopes
IS 15060 : 2018 ISO 10321 : 2008	Geosynthetics tensile test for joint seams by wide-width strip method ( <i>first revision</i> )
IS 15351 : 2015	Agro textiles Laminated high density polyethylene HDPE woven geomembrane for water proof lining - Specification ( <i>second revision</i> )
IS 15869 : 2020	Textiles - Open weave coir Bhoovastra – Specification

	<i>(first revision)</i>
IS 15909 : 2020	PVC geomembranes for lining - Specification <i>(second revision)</i>
IS 16352 : 2020	Geosynthetics-High density polyethylene ( HDPE ) geomembranes for lining-specification <i>(first revision)</i>
IS 16362 : 2024	Geosynthetics — Geotextiles for subsurface drainage, subgrade separation, subgrade stabilization, filtration and erosion control (in hard armor systems) applications — Specification <i>(second revision)</i>
IS 16380 : 2020	Geosynthetics - Method of test for measuring pullout resistance of geosynthetics in soil <i>(first revision)</i>
IS 16483 : 2017	Geosynthetics - Method for microscopic evaluation of the dispersion of carbon black in polyolefin geosynthetics
IS 16493 : 2017	Geosynthetics - Method of test for determination of pyramid puncture resistance of unprotected and protected geomembranes
IS 16627 : 2017	Agro textiles - High density polyethylene (HDPE) laminated woven lay flat tube for use in mains and submains of drip irrigation system – Specification
IS 16635 : 2017	Geosynthetics - Wide-Width tensile test
IS 16653 : 2017	Geosynthetics - Needle punched nonwoven geobags for coastal and waterways protection – Specification
IS 16654 : 2017	Geosynthetics - Polypropylene multifilament woven geobags for coastal and waterways protection – Specification
IS 17179 : 2019	Geotextiles and geotextile-related products — Determination of water flow capacity in their plane
IS 17360 : 2020	Geosynthetics — Screening test method for determining the resistance of geotextiles and geotextile-related products to oxidation
IS 17363 : 2020	Geotextiles and geotextile - Related products - Screening test method for determining the resistance

	to liquids
IS 17365 : 2020 ISO TR 20432 : 2007	Guidelines for the determination of the long-term strength of geosynthetics for soil reinforcement
IS 17368 : 2020	Geosynthetics - Determination of damage to geosynthetic caused during installation
IS 17369 (Part 1) : 2020 ISO 13426-1 : 2019	Geotextiles and geotextile-related products — Strength of internal structural junctions Part 1 Geocells
IS 17369 (Part 2) : 2020 ISO 13426-2 : 2005	Geotextiles and geotextile related products - Strength of internal structural junctions Part 2 Geocomposites
IS 17371 : 2020	Geosynthetics – Geogrids for flexible pavements – Specification
IS 17372 : 2020	Geosynthetics - Polymeric strip / Geostrip used as soil reinforcement in retaining structures - Specification
IS 17373 : 2020	Geosynthetics - Geogrids used in reinforced soil retaining structures - Specification
IS 17374 : 2020	Geosynthetics - Reinforced HDPE membrane for effluents and chemical resistance lining – Specification
IS 17420 : 2020	Geosynthetics - Index test procedure for the evaluation of mechanical damage under repeated loading-damage caused by granular material (Laboratory Test Method)
IS 17483 (Part 1) : 2020	Geosynthetics - Geocells - Specification Part 1 Load bearing application
IS 17483 (Part 2) : 2020	Geosynthetics - Geocells - Specification Part 2 Slope erosion protection application
IS 17544 : 2022	Multilayer ( PE-AL-PE ) Plastic piping system for indoor gas installations with a maximum operating pressure up to and including 500 KPA ( 5 Bar ) – Specification
IS 17728 : 2021	Agro textiles - High density polyethylene ( HDPE ) laminated woven lay flat tube and fittings for use in rain irrigation system – Specification

IS 17880 : 2022	Geosynthetics - Synthetic polymer rope gabions for coastal and waterways protection – Specification
IS 18309 : 2023	Geosynthetics - Prefabricated vertical drains for quick consolidation of very soft plastic soil-Specification

## 20 SANITARY APPLIANCES AND WATER FITTINGS

### a) General

IS 804:1967	Specification for rectangular pressed steel tanks ( <i>first revision</i> )
IS 906 : 2024	Portable and fixed type revolving branch for fire fighting — Specification ( <i>fourth revision</i> )
IS 1726:1991	Specification for cast iron manhole covers and frames ( <i>third revision</i> )
IS 2963:2013	Copper alloy waste fittings and waste plug for wash-basins and sinks — Specification ( <i>second revision</i> )
IS 5219:2013	Cast copper alloy traps — Specification ( <i>first revision</i> )
IS 5455:1969	Specification for cast-iron steps for manholes
IS 5961:1970	Specification for cast iron gratings for drainage purposes
IS 9140:1996	Method of sampling of vitreous and fire clay sanitary appliances ( <i>second revision</i> )
IS 9872:1981	Specification for precast concrete septic tanks
IS 12592:2002	Specification for precast concrete manhole covers and frames ( <i>first revision</i> )
IS 12701:1996	Specification for rotational moulded polyethylene water storage tanks ( <i>first revision</i> )
IS 13356:1992	Specification for precast ferrocement water tanks (250 to 10000 litres capacity)
IS 14399	Hot press moulded thermosetting glass fibre reinforced

	(GRP) sectional water storage tanks
(Part 1):1996	Part 1 Specification for panels
(Part 2):1996	Part 2 Guidelines for assembly, installation and testing
IS 17650	Water efficient plumbing products - Requirements:
(Part 1) : 2021	Part 1 Sanitaryware
(Part 2) : 2021	Part 2 Sanitary fittings
IS 18666 : 2024	Rotationally moulded polyethylene septic tanks — Specification
IS 18797 : 2024	Packaged sewage treatment plant — Specification

## b) Pipes and Fittings excluding valves

### i) Brass and Copper Pipes and Fittings

IS 407:1981	Specification for brass tubes for general purposes ( <i>third revision</i> )
IS 2501:1995	Specification for solid drawn copper tubes for general engineering purposes ( <i>third revision</i> )

### ii) Cast Iron Pipes and Fittings

IS 1536:2001	Specification for centrifugally cast (spun) iron pressure pipes for water, gas and sewage ( <i>fourth revision</i> )
IS 1536 : 2023	Centrifugally cast spun iron pressure pipes for water gas and sewage specification ( <i>fifth revision</i> )
IS 1537:1976	Specification for vertically cast iron pressure pipes for water, gas and sewage ( <i>first revision</i> )
IS 1538:1993	Specification for cast iron fittings for pressure pipes for water, gas and sewage ( <i>third revision</i> )
IS 1729:2023	Sand cast iron spigot and socket pipes, fittings and

	accessories — Specification ( <i>third revision</i> )
IS 1729 : 2023	Sand cast iron spigot and socket pipes fittings and accessories specification ( <i>third revision</i> )
IS 1879 : 2010	Malleable cast iron pipe fittings - Specification ( <i>third revision</i> )
IS 3989 : 2009	Centrifugally cast Spun iron spigot and socket soil waste ventilating and rainwater pipes fittings and accessories - Specification ( <i>third revision</i> )
IS 5531 : 2014	Cast iron specials for asbestos cement pressure pipes for water and sewage - Specification ( <i>third revision</i> )
IS 6418:1971	Specification for cast iron and malleable cast iron flanges for general engineering purposes
IS 7181:1986	Specification for horizontally cast iron double flanged pipes for water, gas and sewage ( <i>first revision</i> )
IS 8329:2000	Specification for centrifugally cast (spun) ductile iron pressure pipes for water, gas and sewage ( <i>third revision</i> )
IS 8794:1988	Specification for cast iron detachable joints for use with asbestos cement pressure pipes ( <i>first revision</i> )
IS 9523 : 2000	Ductile iron fittings for pressure pipes for water gas and sewage - Specification ( <i>first revision</i> )
IS 10292:1988	Dimensional requirements for rubber sealing rings for C.I.D. Joints in asbestos cement piping ( <i>first revision</i> )
IS 10299:1982	Cast iron saddle pieces for service connection from asbestos cement pressure pipes
IS 11606:1986	Methods of sampling cast iron pipes & fittings
IS 12820 : 2004	Dimensional requirements of rubber gaskets for mechanical joints and push - On joints for use with cast iron pipes and fittings for carrying water gas and sewage ( <i>first revision</i> )
IS 12987:1991	Cast iron detachable joints for use with asbestos

	cement pressure pipes (light duty) – Specification
IS 12988:1991	Rubber sealing rings for CID joints for light duty AC pipes – Dimensional requirements
IS 13382 : 2018	Cast iron specials for mechanical and push-on flexible joints for pressure pipes for water gas and sewage - Specification ( <i>second revision</i> )
IS 15905:2011	Hubless centrifugally cast (spun) iron pipes, fittings and accessories — Spigot Series — Specification

iii) *Lead Pipes and Fittings*

IS 404(Part 1):1993	Specification for lead pipes: Part 1 For other than chemical purpose ( <i>third revision</i> )
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iv) *Fibre Pipes and Fittings*

IS 11925:1986	Specification for pitch-impregnated fibre pipes and fittings for drainage purposes
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v) *Plastic Pipes and Fittings*

IS 4984 : 2016	Polyethylene pipes for water supply - Specification ( <i>fifth revision</i> )
IS 4985 : 2021	Unplasticized PVC pipes for potable water supplies specification ( <i>fourth revision</i> )
IS 7834	Specification for injection moulded PVC socket fittings with solvent cement joints for water supplies
(Part 1):1987	Part 1 General requirements ( <i>first revision</i> )
(Part 2):1987	Part 2 Specific requirements for 45° elbows ( <i>first revision</i> )
(Part 3):1987	Part 3 Specific requirements for 90° elbows ( <i>first revision</i> )
(Part 4):1987	Part 4 Specific requirements for 90° tees ( <i>first revision</i> )

(Part 5):1987	Part 5 Specific requirements for 45° tees ( <i>first revision</i> )
(Part 6):1987	Part 6 Specific requirements for sockets ( <i>first revision</i> )
(Part 7):1987	Part 7 Specific requirements for unions ( <i>first revision</i> )
(Part 8):1987	Part 8 Specific requirements for caps ( <i>first revision</i> )
IS 8008 : 2022	Injection moulded machined polyethylene fittings for water supply specification ( <i>second revision</i> )
IS 8360 : 2022	Fabricated polyethylene fittings for water supply specification ( <i>first revision</i> )
IS 10124	Specification for fabricated PVC fittings for potable water supplies
(Part 1):2009	Part 1 General requirements ( <i>second revision</i> )
(Part 2):2009	Part 2 Specific requirements for sockets ( <i>second revision</i> )
(Part 3):2009	Part 3 Specific requirements of straight reducers ( <i>second revision</i> )
(Part 4):2009	Part 4 Specific requirements for caps ( <i>second revision</i> )
(Part 5):2009	Part 5 Specific requirements for equal tees ( <i>second revision</i> )
(Part 6):2009	Part 6 Specific requirements for flanged tail piece with metallic flanges ( <i>second revision</i> )
(Part 7):2009	Part 7 Specific requirements for threaded adaptors ( <i>second revision</i> )
(Part 8):2009	Part 8 Specific requirements for 90° bends ( <i>second revision</i> )
(Part 9):2009	Part 9 Specific requirements for 60° bends ( <i>second revision</i> )
(Part 10):2009	Part 10 Specific requirements for 45° bends ( <i>second</i>



	<i>revision)</i>
(Part 11):2009	Part 11 Specific requirements for 30° bends ( <i>second revision)</i>
(Part 12):2009	Part 12 Specific requirements for 22½° bends ( <i>second revision)</i>
(Part 13):2009	Part 13 Specific requirements for 11¼° bends ( <i>second revision)</i>
IS 12235	Methods of test for unplasticised PVC pipes for potable water supplies
(Part 1):2004	Part 1 Measurement of dimensions ( <i>first revision)</i>
(Part 2):2004	Part 2 Determination of Vicat softening temperature ( <i>first revision)</i>
(Part 3):2004	Part 3 Test for opacity ( <i>first revision)</i>
(Part 4):2004	Part 4 Determining the detrimental effect on the composition of water ( <i>first revision)</i>
(Part 5/Sec 1):2004	Part 5 Longitudinal reversion: Section 1 Determination methods ( <i>first revision)</i>
(Part 5/Sec 2):2004	Part 5 Reversion test: Section 2 Determination parameters ( <i>first revision)</i>
(Part 6):2004	Part 6 Stress relief test ( <i>first revision)</i>
(Part 7):2004	Part 7 Resistance to sulphuric acid ( <i>first revision)</i>
(Part 8/Sec 1):2004	Part 8 Resistance to internal hydrostatic pressure, Section 1 Resistance to internal hydrostatic pressure at constant internal water pressure ( <i>first revision)</i>
(Part 8/Sec 2):2004	Part 8 Resistance to internal hydrostatic pressure Section 2 Leak-tightness of elastomeric sealing ring type socket joints under positive internal pressure and with angular deflection ( <i>first revision)</i>
(Part 8/Sec 3):2004	Part 8 Resistance to internal hydrostatic pressure

	Section 3 Leak-tightness of elastomeric sealing ring type socket joints under negative internal pressure and with angular deflection ( <i>first revision</i> )
(Part 8/Sec 4):2004	Part 8 Resistance to internal hydrostatic pressure Section 4 Leak-tightness of elastomeric sealing ring type socket joints under positive internal pressure without angular deflection ( <i>first revision</i> )
(Part 9):2004	Part 9 Resistance to external blows (impact resistance) at 0°C (Round-the-clock method)
(Part 10):2004	Part 10 Determination of organotin as tin aqueous solution ( <i>first revision</i> )
(Part 11):2004	Part 11 Resistance to dichloromethane at specified temperature ( <i>first revision</i> )
(Part 12):2004	Part 12 Determination of titanium dioxide content
(Part 13):2004	Part 13 Determination of tensile strength and elongation
(Part 14):2004	Part 14 Determination of density/relative density (specific gravity)
(Part 15):2004	Part 15 Determination of vinyl chloride monomer content
(Part 16):2004	Part 16 High temperature test
(Part 17):2004	Part 17 Determination of ash content and sulphated ash content
(Part 18):2004	Part 18 Determination of ring stiffness
(Part 19):2004	Part 19 Flattening test
IS 12709:1994	Specification for glass-fibre reinforced plastic (GRP) pipes joints and fittings for use for potable water supply ( <i>first revision</i> )
IS 12818:2010	Specification for unplasticized PVC screen and casing pipes for bore/tubewell ( <i>second revision</i> )
IS 13592:2013	Unplasticized polyvinyl chloride (PVC-U) pipes for soil

	and waste discharge system for inside and outside buildings including ventilation and rainwater system - Specification ( <i>first revision</i> )
IS 14333 : 2022	Polyethylene pipes for sewerage and industrial chemicals and effluent specification ( <i>first revision</i> )
IS 14402:1996	Specification for GRP pipes, joints and fittings for use for sewerage, industrial waste and water (other than potable)
IS 14735:1999	Specification for unplasticized polyvinyl chloride (UPVC) injection moulded fittings for soil and waste discharge system for inside buildings including ventilation and rain water system
IS 14885 : 2022	Polyethylene pipes for the supply of gaseous fuels specification ( <i>first revision</i> )
IS 15328:2003	Specification for unplasticized non-pressure polyvinyl chloride (PVC-U) pipes for use in underground drainage and sewerage system
IS 15450 : 2022	Polyethylene – Aluminium - Polyethylene composite pressure pipes for hot and cold water supplies specifications first revision of IS 15450 ( <i>first revision</i> )
IS 15778:2007	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold water distribution supplies - Specification
IS 15801:2008	Polypropylene-random copolymer pipes for hot and cold water supplies - Specification
IS 15927	Specification for polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels
(Part 1):2012	Part 1 Fittings for sockets using heated tools
(Part 2):2012	Part 2 Spigot fittings for butt fusion jointing or socket fusion using heated tools, spigot fittings for use with electro-fusion fittings
(Part 3):2011	Part 3 Electro-fusion fittings

IS 16098	Structured - wall plastics piping systems for non-pressure drainage and sewerage - Specification
(Part 1):2013	Part 1: Pipes and fittings with smooth external surface, Type A
(Part 2):2013	Part 2 Pipes and fittings with non-smooth external surface, Type B
IS 16534 : 2017	Chlorinated polyvinyl chloride (CPCV) Pipe fittings for automatic sprinkler fire extinguishing system – Specification
IS 16647 : 2017	Oriented unplasticized polyvinyl chloride (PVC-O) pipes for water supply - Specification
IS 17546 : 2021	Chlorinated polyvinyl chloride (CPVC) fittings for potable hot and cold water distribution supplies - Specification

vi) *Steel Tubes, Pipes and Fittings*

IS 1239 (Part 1) : 2004	Steel tubes tubulars and other wrought steel fittings - Specification Part 1 Steel tubes ( <i>sixth revision</i> )
IS 1239 (Part 2) : 2011	Steel tubes tubulars and other steel fittings - Specification Part 2 Steel pipe fittings ( <i>fifth revision</i> )
IS 3589 : 2001	Steel pipes for water and sewage 168.3 To 2540 Mm outside diameter - Specification ( <i>third revision</i> )
IS 4270 : 2001	Steel tubes used for water wells - Specification ( <i>third revision</i> )
IS 5504:1997	Specification for spiral welded pipes ( <i>first revision</i> )
IS 6286 : 1971	Specification for seamless and welded steel pipe for sub-zero temperature service
IS 6392 : 2020	Steel pipes flanges - Specification ( <i>first revision</i> )

vii) *Stoneware Pipes and Fittings*

IS 651:2007	Glazed stoneware pipes and fittings —Specification ( <i>sixth revision</i> )
IS 3006:1979	Specification for chemically resistant glazed stoneware pipes and fittings ( <i>first revision</i> )

viii) *Asbestos Cement Pipes*

[See 8 (a) (ii) under the category 'Composite Matrix Products']

## ix) Concrete Pipes and Pipes lined/coated with Concrete or Mortar

[See 8 (a) (iv) under the category 'Composite Matrix Products']

**c) Kitchen and Sanitary Appliances**

IS 774 : 2021	Ceramic vitreous china flushing cisterns for water closets and urinals - Specification ( <i>sixth revision</i> )
IS 2548	Specification for plastic seats and covers for water- closets
(Part 1):1996	Part 1 Thermoset seats and covers ( <i>fifth revision</i> )
(Part 2):1996	Part 2 Thermoplastic seats and covers ( <i>fifth revision</i> )
IS 2556 (Part 1) : 2021	Vitreous china sanitary appliances - Specification Part 1 General requirements ( <i>fourth revision</i> )
IS 2556 (Part 2) : 2024	Vitreous china sanitary appliances — Specification Part 2 Specific requirements of washdown water closets ( <i>sixth revision</i> )
IS 2556 (Part 3) : 2004	Vitreous sanitary appliances vitreous china - Specification - Part 3 Specific requirements of squatting pans ( <i>fifth revision</i> )
IS 2556 (Part 4) : 2004	Vitreous sanitary appliances vitreous china - specification Part 4 Specific requirements of wash basins ( <i>fourth revision</i> )
IS 2556 (Part 5) : 1994	Vitreous sanitary appliances vitreous china - Specification Part 5 Specific requirements of laboratory sinks ( <i>third revision</i> )

IS 2556 (Part 6) : 2021	Vitreous china sanitary appliances - Specification Part 6 Specific requirements of urinal and partition plates ( <i>fifth revision</i> )
IS 2556 (Part 7) : 1995	Vitreous sanitary appliances vitreous china - Specification Part 7 Specific requirements of accessories for sanitary appliances ( <i>third revision</i> )
IS 2556 (Part 8) : 2021	Vitreous china sanitary appliances - Specification Part 8 Specific requirements of close coupled and one-piece pedestal washdown and syphonic water closets ( <i>sixth revision</i> )
IS 2556 (Part 9) : 2004	Vitreous sanitary appliances vitreous china - Specification Part 9 Specific requirements of pedestal type bidets ( <i>fifth revision</i> )
IS 2556 (Part 14) : 1995	Vitreous sanitary appliances vitreous china - Specification Part 14 Specific requirements of integrated squatting pans ( <i>first revision</i> )
IS 2556 (Part 15) : 2024	Vitreous china sanitary appliances — Specification Part 15 Specific requirements of universal water closets ( <i>third revision</i> )
IS 2556 (Part 16) : 2024	Vitreous china sanitary appliances — Specification part 16 Specific requirements of washdown wall mounted water closets ( <i>first revision</i> )
IS 2556 (Part 17) : 2001	Vitreous sanitary appliances vitreous china - Specification Part 17 Specific requirements of wall mounted bidets
IS 6411:1985	Specification for gel-coated glass fibre reinforced polyester resin bath tubs ( <i>first revision</i> )
IS 7231:2021	Plastic flushing cisterns for water closets and urinals - Specification ( <i>third revision</i> )
IS 11246:1992	Specification for glass fibre reinforced polyester resins (GRP) squatting pans ( <i>first revision</i> )
IS 13983:1994	Specification for stainless steel sinks for domestic purposes

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#### d) Valves and Water Fittings (including Ferrules)

IS 778:1984	Specification for copper alloy gate, globe, and check valves for water works purposes ( <i>fourth revision</i> )
IS 781:1984	Specification for cast copper alloy screw-down bib taps and stop valves for water services ( <i>third revision</i> )
IS 1701:1960	Specification for mixing valves for ablutionary and domestic purposes
IS 1703:2000	Water fittings - Copper alloy float valves (horizontal plunger type) — Specification ( <i>fourth revision</i> )
IS 1711:1984	Specification for self-closing taps for water supply purposes ( <i>second revision</i> )
IS 1795:1982	Specification for pillar taps for water supply purposes ( <i>second revision</i> )
IS 2692:1989	Specification for ferrules for water services ( <i>second revision</i> )
IS 3004:1979	Specification for plug cocks for water supply purposes ( <i>first revision</i> )
IS 3042:1965	Specification for single faced sluice gates (200 to 1200 mm size)
IS 3950:1979	Specification for surface boxes for sluice valves ( <i>first revision</i> )
IS 4038:1986	Specification for foot valves for water works purposes ( <i>second revision</i> )
IS 4346:1982	Specification for washers for use with fittings for water services ( <i>first revision</i> )
IS 5312	Specification for swing check type reflux (non-return) valves
(Part 1) :2004	Part 1 Single door pattern ( <i>second revision</i> )

(Part 2) :2013	Part 2 Multi-door pattern ( <i>first revision</i> )
IS 8931 : 2021	Copper alloy single taps combination tap assemblies stop valves and single lever mixers for water services specification ( <i>second revision</i> )
IS 9338:2013	Cast iron/S.G. iron, cast steel screw-down stop valves for water works purposes — Specification ( <i>second revision</i> )
IS 9739:1981	Specification for pressure reducing valves for domestic water supply systems
IS 9758:1981	Specification for flush valves and fittings for water-closets and urinals
IS 9762:1994	Specification for polyethylene floats (spherical) for float valves ( <i>first revision</i> )
IS 9763:2000	Plastic bib taps, pillar taps, angle valves, hot and cold water services — Specification ( <i>second revision</i> )
IS 12234 : 2021	Plastic equilibrium float valves for cold water services - Specification ( <i>first revision</i> )
IS 13049:1991	Specification for diaphragm type (plastic body) float operated valves for cold water services
IS 13114:1991	Specification for forged brass gate, globe and check valves for water works purposes
IS 13349:1992	Specification for single faced cast iron thimble mounted sluice gates
IS 14845:2000	Resilient seated cast iron air relief valves for water works purposes — Specification
IS 14846:2000	Sluice valves for water works purposes (50-1 200 mm) — Specification
IS 17585 : 2021	Beta (Outflow) valves for gravity type flushing cisterns – Specification



**e) Water Meters**

IS 779:1994	Specification for water meters (domestic type) ( <i>sixth revision</i> )
IS 2373:1981	Specification for water meters (bulk type) ( <i>third revision</i> )
IS 6784:1996	Method for performance testing of water meters (domestic type) ( <i>second revision</i> )

**21 STEEL AND ITS ALLOYS** (See 23 for Structural Sections)**a) General**

IS 1030:1998	Carbon steel castings for general engineering purposes ( <i>fifth revision</i> )
<b>IS 1136 : 2008</b>	<b>Preferred sizes for wrought metal products (<i>third revision</i>)</b>
IS 1762(Part 1):1974	Code for designation of steels: Part 1 Based on letter symbols ( <i>first revision</i> )
IS 2049:1978	Colour code for the identification of wrought steel for general engineering purposes ( <i>first revision</i> )
IS 2644:1994	High strength steel castings for general engineering and structural purposes – Specification ( <i>fourth revision</i> )
IS 2708:1993	1.5 percent manganese steel castings for general engineering purposes – Specification ( <i>third revision</i> )
IS 7598:1990	Classification of steels ( <i>first revision</i> )
IS 10461	Resistance to inter - Granular corrosion of austenitic stainless steels - Method for determination
IS 10461 (Part 1) : 1994	Corrosion test in nitric acid medium by measurement of loss in mass (Huey Test) ( <i>first revision</i> )
IS 10461 (Part 2):1994	Corrosion test in a sulphuric acid/copper sulphate medium in the presence of copper turnings (Monypenny Strauss Test) ( <i>first revision</i> )
<b>IS/ISO 11951 : 2016</b>	<b>Cold-reduced tinmill products – Blackplate (<i>first revision</i>)</b>

IS 12591 : 2018	Cold-reduced tinmill products — Electrolytic chromium / chromium oxide — Coated steel ( <i>second revision</i> )
IS 14126 : 2019	Metallic coatings - Measurement of coating thickness - Coulometric method by anodic dissolution ( <i>first revision</i> )
IS 16733 : 2018	Ferritic-pearlitic engineering steels for precipitation hardening from hot-working temperatures
IS 16854 : 2018	Single pack zinc rich coating for cold application – Specification
IS 17111 : 2019	Heat - Treated steels, alloy steels and free-cutting steels - Ball and roller bearing steels
IS 18435 (Part 11) : 2023	Corrosion of metals and alloys - Stress corrosion testing - Part 11 Testing the resistance of metals and alloys to hydrogen embrittlement and hydrogen - assisted cracking – Guidelines
IS 18436 : 2023	Metallic and other inorganic coatings - Post-coating treatments of iron or steel to reduce the risk of hydrogen embrittlement
IS 18437 : 2023 ISO 15324 : 2000	Corrosion of metals and alloys - Evaluation of stress cracking by the drop evaporation test
IS 18438 : 2023 ISO 18069 : 2015	Corrosion of metals and alloys - Method for determination of the uniform corrosion rate of stainless steels and nickel based alloys in liquids
IS 18463 : 2023 ISO 9587 : 2007	Metallic and other inorganic coatings - Pretreatment of iron or steel to reduce the risk of hydrogen embrittlement

### b) Structural Steel

IS 2062:2011	Hot rolled medium and high tensile structural steel- Specification ( <i>seventh revision</i> )
IS 2830:2012	Specification for carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into steel for general structural purposes ( <i>third revision</i> )

IS 2831:2012	Specification for carbon steel billets ingots, blooms and slabs for re-rolling into structural steel (Ordinary quality) ( <i>fourth revision</i> )
IS 8052:2006	Specification for steel ingots, billets and blooms for the production of springs, rivets and screws for general engineering applications ( <i>second revision</i> )
IS 8952:1995	Steel ingots, blooms and billets for production of mild steel wire rods for general engineering purposes ( <i>first revision</i> )
IS 11587:1986	Specification for structural weather resistant steels
IS 15103:2002	Fire resistant steel – Specification
IS 15911:2010	Structural steel (Ordinary quality) – Specification
IS 15962:2012	Structural steels for buildings and structures with improved seismic resistance
IS 16732 : 2019	Galvanized structural steel – Specification

### c) Sheet and Strip

IS 277 : 2018	Galvanized steel strips and sheets plain and corrugated - Specification ( <i>seventh revision</i> )
IS 412:1975	Specification for expanded metal steel sheets for general purposes ( <i>second revision</i> )
IS 513	Cold reduced carbon steel sheet and strip
(Part 1) : 2016	Part 1 Cold forming and drawing purpose ( <i>sixth revision</i> )
(Part 2) : 2016	Part 2 High tensile and multi - Phase steel ( <i>sixth revision</i> )
IS 1079 : 2017	Hot rolled carbon steel sheet plate and strip - Specification ( <i>seventh revision</i> )
IS 6911 : 2017	Stainless steel plate sheet and strip - Specification ( <i>second revision</i> )

IS 7226:1974	Specification for cold rolled medium, high carbon and low alloy steel strip for general engineering purposes
IS 14246 : 2024	Continuously pre-painted galvanized steel sheets and strips — Specification ( <i>second revision</i> )
IS 15961:2012	Hot-dip aluminium zinc alloy metallic coated steel sheet and strip (plain)
IS 15965:2012	Pre-painted aluminium zinc alloy metallic coated steel strip & sheet (plain)
IS 18513 : 2023	Hot-dip zinc- aluminium-magnesium alloy coated steel sheets plates and strips – Specification
IS 18733 : 2024 ISO 11531 : 2022	Metallic materials — Sheet and strip — Earing test

#### d) Bars, Rods, Wire and Wire Rods

IS 280:2006	Mild steel wire for general engineering purposes — Specification ( <i>fourth revision</i> )
IS 1148 : 2009	Steel rivet bars medium and high tensile -- For structural purposes -- For structural purposes ( <i>fourth revision</i> )
IS 1673:1984	Specification for mild steel wire cold heading quality ( <i>second revision</i> )
IS 1812:1982	Specification for carbon steel wire for the manufacture of wood screw ( <i>second revision</i> )
IS 1835:1976	Specification for round steel wire for ropes ( <i>third revision</i> )
IS 1875:1992	Carbon steel billets, blooms, slabs and bars for forgings ( <i>fifth revision</i> )
IS 1921:2005	Flux cored solder wire — Specification ( <i>second revision</i> )
IS 2591:1982	Dimensions for hot rolled bars for threaded components ( <i>second revision</i> )

IS 3150:1982	Specification for hexagonal wire netting for general purposes
IS 4826 : 2023	Hot - dip galvanized coatings on round steel wires requirements ( <i>second Revision</i> )
IS 6528:1995	Specification for stainless steel wire ( <i>first revision</i> )
IS 6603:2024	Stainless steel semi-finished products, bars, wire rods and bright bars — Specification ( <i>second revision</i> )
IS 7887:1992	Specification for mild steel wire rods for general engineering purposes ( <i>first revision</i> )
IS 7904 : 2018	High carbon steel wire rods - Specification ( <i>second revision</i> )
IS 10631:1983	Stainless steel for welding electrode core wire
IS/ISO 16124 : 2015 ISO 16124 : 2015	Steel wire rod - Dimensions and tolerances ( <i>first revision</i> )

**e) Plates and Studs**

IS 1862:1975	Specification for studs ( <i>second revision</i> )
IS 3502:2009	Specification for steel chequered plates ( <i>third revision</i> )

**f) Tubes and Tubulars**

IS 1161:2014	Specification for steel tubes for structural purposes ( <i>fifth revision</i> )
IS 4923 : 2017	Hollow steel sections for structural use - Specification ( <i>third revision</i> )
IS 17875 : 2022	Stainless steel seamless pipes and tubes for general services - Specification
IS 17876 : 2022	Stainless steel welded pipes and tubes for general

	services - Specification
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**g) Slotted Sections**

IS 8081:1976	Specification for slotted sections
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**22 STONES**

IS 1121	Methods of test for determination of strength properties of natural building stones
(Part 1) : 2023	Part 1 Compressive strength ( <i>third revision</i> )
(Part 2) : 2023	Part 2 Transverse strength ( <i>third revision</i> )
(Part 3) : 2023	Part 3 Indirect tensile strength ( <i>third revision</i> )
(Part 4) : 2013	Part 4 Shear strength ( <i>second revision</i> )
(Part 5) : 2023	Part 5 Flexural modulus of elasticity
IS 1122 : 2023	Determination of true specific gravity of natural building stones -- method of test ( <i>second revision</i> )
IS 1123:1975	Method of identification of natural building stones ( <i>first revision</i> )
IS 1124:1974	Method of test for determination of water absorption, apparent specific gravity and porosity of natural building stones ( <i>first revision</i> )
IS 1125:2013	Method of test for determination of weathering of natural building stones ( <i>second revision</i> )
IS 1126:2013	Method of test for determination of durability of natural building stones ( <i>second revision</i> )
IS 1127:1970	Recommendations for dimensions and workmanship of natural building stones for masonry work ( <i>first revision</i> )

IS 1128:1974	Specification for limestone (slab and tiles) ( <i>first revision</i> )
IS 1129:1972	Recommendation for dressing of natural building stones ( <i>first revision</i> )
IS 1130:1969	Specification for marble (blocks, slabs and tiles)
IS 1706 : 2024	Determination of resistance to wear by abrasion of natural building stones — Method of test ( <i>second revision</i> )
IS 3316:1974	Specification for structural granite ( <i>first revision</i> )
IS 3620:1979	Specification for laterite stone block for masonry ( <i>first revision</i> )
IS 3622:1977	Specification for sand stone (slabs and tiles) ( <i>first revision</i> )
IS 4121:1967	Method of test for determination of water transmission rate by capillary action through natural building stones
IS 4122:1967	Method of test for surface softening of natural building stones by exposure to acidic atmospheres
IS 4348 : 2024	Determination of permeability of natural building stones — Methods of test ( <i>second revision</i> )
IS 5218:1969	Method of test for toughness of natural building stones
IS 5640:1970	Method of test for determining the aggregate impact value of soft coarse aggregates
IS 6241 : 2024	Determination of stripping value of road aggregates — Method of test ( <i>first revision</i> )
IS 6250:1981	Specification for roofing slate tiles ( <i>first revision</i> )
IS 6579:1981	Specification for coarse aggregate for water bound macadam ( <i>first revision</i> )
IS 7779	Schedule for properties and availability of stones for

	construction purposes
(Part 1/ Sec 1):1975	Part 1 Gujarat State: Section 1 Availability of stones
(Part 1/ Sec 2):1975	Part 1 Gujarat state: Section 2 Engineering properties of building stones
(Part 1/Sec 3):1975	Part 1 Gujarat state: Section 3 Engineering properties of stone aggregates
(Part 2/ Sec 1):1979	Part 2 Maharashtra state: Section 1 Availability of stones
(Part 2/ Sec 2):1979	Part 2 Maharashtra state: Section 2 Engineering properties of building stones
(Part 2/ Sec 3):1979	Part 2 Maharashtra state: Section 3 Engineering properties of stone aggregates
<b>(Part 3/ Sec 2) : 1980</b>	Part 3 Tamil Nadu state: Section 2 Engineering properties of building stones
(Part 3/ Sec 3):1980	Part 3 Tamil Nadu state: Section 3 Engineering properties of stone aggregates
(Part 4/Sec 1 to 3) : 1996	Part 4 Karnataka state: Sections (1 to 3)
(Part 5/ Sec 1):1997	Part 5 Andhra Pradesh: Section 1 Availability of stones
(Part 5/ Sec 2):1997	Part 5 Andhra Pradesh: Section 2 Engineering properties of building stones
(Part 5/ Sec 3):1997	Part 5 Andhra Pradesh: Section 3 Engineering properties of stone aggregates
<b>IS 9394 : 2024</b>	<b>Stone lintels — Specification (first revision)</b>
<b>IS 14223 (Part 1) : 2023</b>	<b>Polished building stones specification Part 1 Granite and similar stones (first revision)</b>



**23 STRUCTURAL SECTIONS****a) Structural Shapes**

IS 811:1987	Specification for cold formed light gauge structural steel sections ( <i>second revision</i> )
IS 1173:1978	Specification for hot rolled and slit steel tee bars ( <i>second revision</i> )
IS 1863 : 1979 ISO 657-19	Rolled steel bulb flats ( <i>first revision</i> )
IS 2314 (Part 1) : 2023	Steel sheet piling section specification Part 1 Hot rolled sheet pile ( <i>second revision</i> )
IS 2314 (Part 2) : 2023	Steel sheet piling section specification Part 2 Cold formed sheet pile ( <i>second revision</i> )
IS 3443:1980	Specification for crane rail sections ( <i>first revision</i> )
IS 3908:1986	Specification for aluminium equal leg angles ( <i>first revision</i> )
IS 3909:1986	Specification for aluminium unequal leg angles ( <i>first revision</i> )
IS 3921:1985	Specification for aluminium channels ( <i>first revision</i> )
IS 3964:1980	Specification for light rails ( <i>first revision</i> )
IS 5384:1985	Specification for aluminium I-beams ( <i>first revision</i> )
IS 6445:1985	Specification for aluminium tee sections ( <i>first revision</i> )

**b) Dimensional Standards**

IS 808 : 2021	Hot rolled steel beam column channel and angle sections - Dimensions and properties ( <i>fourth revision</i> )
IS 1730:1989	Dimensions for steel plates, sheets strips and flats for general engineering purposes ( <i>second revision</i> )

IS 1732:1989	Dimensions for round and square steel bars for structural and general engineering purposes ( <i>second revision</i> )
IS 1852:1985	Rolling and cutting tolerances for hot rolled steel products ( <i>fourth revision</i> )
IS 2525:1982	Dimensions for wrought aluminium and aluminium alloy wire ( <i>first revision</i> )
IS 2591:1982	Dimensions for hot rolled steel bars for threaded components ( <i>second revision</i> )
IS 2673:2002	Dimensions for wrought aluminium and aluminium alloys, extruded round tube ( <i>second revision</i> )
IS 2676:1981	Dimensions for wrought aluminium and aluminium alloys, sheet and strip ( <i>first revision</i> )
IS 2677:1979	Dimensions for wrought aluminium and aluminium alloys, plates and hot rolled sheets ( <i>first revision</i> )
IS 2678:1987	Dimensions and tolerances for wrought aluminium and aluminium alloys, drawn round tubes ( <i>second revision</i> )
IS 3577:1992	Dimensions and tolerances for wrought aluminium and aluminium alloys rivet, bolt and screw stock ( <i>first revision</i> )
IS 3954:1991	Hot rolled steel channel sections for general engineering purposes- Dimensions ( <i>first revision</i> )
IS 3965:1981	Dimensions for wrought aluminium and aluminium alloys, bar, rod and section ( <i>first revision</i> )
IS 6477:1983	Dimensions for wrought aluminium and aluminium alloys, extruded hollow sections ( <i>first revision</i> )
IS 12778:2004	Hot rolled parallel flange steel sections for beams, columns and bearing piles - Dimensions and section properties ( <i>first revision</i> )
IS 12779:1989	Rolling and cutting tolerances for hot rolled parallel flange beam and column sections

IS/ISO 16124 : 2015 ISO 16124 : 2015	Steel wire rod - Dimensions and tolerances ( <i>first revision</i> )
IS/ISO 16160 : 2012	Hot-rolled steel sheet products dimensional and shape tolerances ( <i>first revision</i> )
IS/ISO 16162 : 2012	Cold - Rolled steel sheet products - Dimensional and shape tolerances ( <i>first revision</i> )
IS/ISO 16163 : 2012	Continuously hot - Dipped coated steel sheet products - Dimensional and shape tolerances ( <i>first revision</i> )
IS 16998 : 2018	Hot - Rolled steel plates - Tolerances on dimensions and shape

## 24 THERMAL INSULATION MATERIALS

IS 3144 : 2024	Mineral wool thermal insulation materials — Methods of test ( <i>third revision</i> )
IS 3346:1980	Methods for the determination of thermal conductivity of thermal insulation materials (two slab, guarded hot-plate method) ( <i>first revision</i> )
IS 3677:1985	Specification for unbonded rock and slag wool for thermal insulation ( <i>second revision</i> )
IS 4671 : 2018	Expanded polystyrene for thermal insulation purposes ( <i>second revision</i> )
IS 5688 : 2018	Methods of test for preformed block-type and pipe-covering type thermal insulation ( <i>second revision</i> )
IS 5724 : 2018	Thermal insulating cements - Methods of test ( <i>first revision</i> )
IS 6598 : 2018	Cellular concrete for thermal insulation - Specification ( <i>first revision</i> )
IS 7509 : 2024	Thermal insulating cements specification ( <i>second revision</i> )

IS 8154 : 2024	Preformed calcium silicate insulation for temperatures up to 650 c specification ( <i>second revision</i> )
IS 8183 : 2024	Bonded mineral wool – Specification ( <i>second revision</i> )
IS 9403 : 2018	Method of test for thermal conductance and transmittance of built - Up Section by means of guarded hot box ( <i>first revision</i> )
IS 9489:2018	Method of test for thermal conductivity of thermal insulation materials by means of heat flow meter ( <i>first revision</i> )
IS 9490 : 2018	Method for determination of thermal conductivity of thermal insulation materials water calorimeter method ( <i>first revision</i> )
IS 9742 : 2024	Sprayed mineral wool thermal insulation specification ( <i>second revision</i> )
IS 9743 : 2020	Thermal insulation finishing cement specification ( <i>second revision</i> )
IS 9842 : 2024	Preformed fibrous pipe insulation – Specification ( <i>second revision</i> )
IS 11128 : 2018	Spray applied hydrated calcium silicate thermal insulation ( <i>first revision</i> )
IS 11129 : 2018	Method of test for tumbling friability of preformed block - Type thermal insulation ( <i>first revision</i> )
IS 11239 (Part 1) : 2009 ISO 1923 : 1981	Methods of test for rigid cellular thermal insulation materials Part 1 Dimensions ( <i>first revision</i> )
IS 11239 (Part 2) : 2019 ISO 845 : 2006	Method of test for rigid cellular thermal insulation materials Part 2 Apparent density ( <i>second revision</i> )
IS 11239 (Part 3) : 2009 ISO 2796 : 1986	Method of test for rigid cellular thermal insulation materials Part 3 Dimensional stability ( <i>first revision</i> )
IS 11239 (Part 4) : 2014 ISO 1663 : 2007	Method of test for rigid cellular thermal insulation materials Part 4 Water vapour transmission rate ( <i>first</i>

	<i>revision)</i>
IS 11239 (Part 5) : 2019 ISO 4590 : 2016	ethod of test for rigid cellular thermal insulation materials Part 5 Volume percent of open and closed cells ( <i>second revision</i> )
IS 11239 (Part 6) : 1985	Methods of test for rigid cellular thermal insulation materials Part 6 Heat distortion temperature
IS 11239 (Part 7) : 1985	Methods of test standard for rigid cellular thermal insulation materials Part 7 Coefficient of linear thermal expansion at low temperatures
IS 11239 (Part 8) : 2024	Rigid cellular thermal insulation materials — Methods of test Part 8 Flame height, time of burning and loss of mass ( <i>first revision</i> )
IS 11239 (Part 9) : 1988	Methods of test for rigid cellular thermal insulation materials Part 9 Water absorption
IS 11239 (Part 10) : 1985	Methods of test for rigid cellular thermal insulation materials Part 10 Flexural strength
IS 11239 (Part 11) : 2024	Rigid cellular thermal insulation materials — Methods of test Part 11 Compressive strength ( <i>first revision</i> )
IS 11239 (Part 12) : 1988	Methods of test for rigid cellular thermal insulation materials Part 12 Horizontal burning characteristics
IS 11239 (Part 14) : 1992	Methods - Of test for rigid cellular thermal insulation materials Part 14 Determination of flammability by oxygen index
IS 11307:1985	Specification for cellular glass block and pipe thermal insulating
IS 11308:2024	Hydraulic setting thermal insulating castables for temperatures up to 1 250 °C — Specification ( <i>first revision</i> )
IS 12436:1988	Specification for preformed rigid polyurethane (PUR) and polyisocyanurate (PIR) foams for thermal insulation

IS 13204:2024	Specification for rigid phenolic foams for thermal insulation ( <i>first revision</i> )
IS 13286:1992	Methods of test for surface spread of flame for thermal insulation materials
IS 14656:1999	Ceramic fibre products- Methods of test

## 25 THREADED FASTENERS, RIVETS AND NAILS

IS 207:1964	Specification for gate and shutter hooks and eyes ( <i>revised</i> )
IS 451:1999	Specification for technical supply conditions for wood screws ( <i>third revision</i> )
IS 554:1999	Specification for pipe threads where pressure-tight joints are made on the threads – dimensions, tolerances and designation ( <i>fourth revision</i> )
IS 723 : 2023	Steel countersunk head wire nails - Specification ( <i>second revision</i> )
IS 724 : 2023	Mild steel and brass cup, ruler and square hooks and screw eyes - Specification ( <i>second revision</i> )
IS 725:1961	Specification for copper wire nails ( <i>revised</i> )
IS 730 : 2021	Specification for hook bolts for corrugated sheet roofing ( <i>third revision</i> )
IS 1120:1975	Specification for coach screws ( <i>first revision</i> )
IS 1363 (Part 1) : 2023 ISO 4016 : 2022	Hexagon head bolts, screws and nuts of product grade C Part 1 Hexagon head bolts (size range M5 to M64) ( <i>sixth revision</i> )
IS 1363 (Part 2) : 2023 ISO 4018 : 2022	Hexagon head bolts, screws and nuts of product grade C Part 2 Hexagon head screws (size range M5 to M64) ( <i>sixth revision</i> )
IS 1363 (Part 3) : 2018 ISO 4034 : 2012	Hexagon head bolts, screws and nuts of product Grade C Part 3 Style 1 Hexagon nuts (size range M5

	to M64) ( <i>fifth revision</i> )
IS 1364 (Part 1) : 2023 ISO 4014 : 2022	Hexagon head bolts, screws and nuts of property grades A and B Part 1 Hexagon head bolts (size range M1.6 to M64) ( <i>sixth revision</i> )
IS 1364 (Part 2) : 2023 ISO 4017 : 2022	Hexagon head bolts, screws and nuts of product grades A and B Part 2 Hexagon head screws (size range M1.6 to M64) ( <i>sixth revision</i> )
IS 1364 (Part 3) : 2018 ISO 4032 : 2012	Hexagon head bolts, screws and nuts of product grades A and B Part 3 Hexagon nuts, style 1 (size range M 1.6 To M 64) ( <i>fifth revision</i> )
IS 1364 (Part 4) : 2003 ISO 4035 : 1999	Hexagon head bolts, screws and nuts of product grades A and B Part 4 Hexagon thin nuts (chamfered) (size range M1.6 to M64) ( <i>fourth revision</i> )
IS 1364 (Part 5) : 2002 ISO 4036 : 1999	Hexagon head bolts, screws and nuts of product grades A and B Part 5 Hexagon thin nuts - Product grade B (unchamfered) (size range M 1.6 to M10) ( <i>fourth revision</i> )
IS 1364 (Part 6) : 2018 ISO 4033 : 2012	Hexagon head bolts, screws and nuts of product grades A and B Part 6 Hexagon nuts, style 2 ( <i>first revision</i> )
IS 1365 : 2022 ISO 2009 : 2011	Slotted countersunk flat head screws - Product grade A ( <i>fifth revision</i> )
IS 1366 : 2022 ISO 1207 : 2011	Slotted cheese head screws - Product grade A ( <i>fourth revision</i> )
IS 1367 (Part 1) : 2014 ISO 8992 : 2005	Technical supply conditions for threaded steel fasteners Part 1 General requirements for bolts screws studs and nuts ( <i>fourth revision</i> )
IS 1367 (Part 2) : 2002 ISO 4759-1 : 2000	Technical supply conditions for threaded steel fasteners Part 2 Tolerances for fasteners - Bolts screws studs and nuts - Product grades a b and c ( <i>third revision</i> )
IS 1367 (Part 3) : 2017 ISO 898-1 : 2013	Technical supply conditions for threaded steel fasteners Part 3 Mechanical properties of fasteners made of carbon steel and bolts screws and studs

	<i>(fifth revision)</i>
IS 1367 (Part 5) : 2018 IS 1367 Part 5	Technical supply conditions for threaded steel fasteners Part 5 Mechanical properties of fasteners made of carbon steel and alloy steel - Set screws and similar threaded fasteners with specified hardness classes - Coarse thread and fine pitch thread <i>(fourth revision)</i>
IS 1367 (Part 6) : 2018 ISO 898-2:2012	Technical supply conditions for threaded steel fasteners Part 6 Mechanical properties of fasteners made of carbon steel and alloy steel - Nuts with specified property classes - Coarse thread and fine pitch thread <i>(fourth revision)</i>
IS 1367 (Part 7) : 1980	Technical supply conditions for threaded steel fasteners Part 7 Mechanical properties and test methods for nuts without specified proof loads <i>(second revision)</i>
IS 1367 (Part 8) : 2020 ISO 2320 : 2015	Technical supply conditions for threaded steel fasteners Part 8 Prevailing torque type steel nuts functional properties <i>(fifth revision)</i>
IS 1367 (Part 9/Sec 1) : 1993 ISO 6157-1 : 1988	Technical supply conditions for threaded steel fasteners Part 9 Surface discontinuities Section 1 Bolts screws and studs for general applications <i>(third revision)</i>
IS 1367 (Part 9/Sec 2) : 1993 ISO 6167-3 : 1988	Technical supply conditions for threaded steel fasteners Part 9 Surface discontinuities Section 2 Bolts screws and studs for special applications <i>(third revision)</i>
IS 1367 (Part 10) : 2002 ISO 6157-2 : 1995	Technical supply conditions for threaded steel fasteners Part 10 Surface discontinuities - Nuts <i>(third revision)</i>
IS 1367 (Part 11) : 2024 ISO 4042 : 2022	Technical supply conditions for threaded steel fasteners Part 11 Electroplated coating systems <i>(fifth revision)</i>
IS 1367 (Part 12) : 1981	Technical supply conditions for threaded steel fasteners Part 12 Phosphate coatings on threaded fasteners <i>(second Revision)</i>



IS 1367 (Part 13) : 2020 ISO 10684 : 2004	Technical supply conditions for threaded steel fasteners Part 13 Hot dip galvanized coatings on threaded fasteners ( <i>third Revision</i> )
IS 1367 (Part 14/Sec 1) : 2023 ISO 3506-1 : 2020	Technical supply conditions for threaded steel fasteners Part 14 Mechanical properties of corrosion-resistant stainless steel fasteners Section 1 Bolts screws and studs with specified grades and property classes ( <i>fifth revision</i> )
IS 1367 (Part 14/Sec 2) : 2023 ISO 3506-2 : 2020	Technical supply conditions for threaded steel fasteners Part 14 Mechanical properties of corrosion-resistant stainless steel fasteners Section 2 Nuts with specified grades and property classes ( <i>fifth revision</i> )
IS 1367 (Part 14/Sec 3) : 2018 ISO 3506-3 : 2009	Technical supply conditions for threaded steel fasteners Part 14 Mechanical properties of corrosion - Resistant stainless steel fasteners Section 3 Set screws and similar fasteners not under tensile stress ( <i>fourth revision</i> )
IS 1367 (Part 14/Sec 4) : 2023 ISO 3506-4 : 2009	Technical supply conditions for threaded steel fasteners Part 14 Mechanical properties of corrosion resistant stainless steel fasteners Section 4 Tapping screws
IS 1367 (Part 16) : 2002 ISO 8991 : 1986	Technical supply conditions for threaded steel fasteners Part 16 Designation system for fasteners ( <i>third revision</i> )
IS 1367 (Part 17) : 2023 ISO 3269 : 2019	Technical supply conditions for threaded steel fasteners Part 17 Inspections, sampling and acceptance procedure ( <i>fifth revision</i> )
IS 1367 (Part 18) : 1996	Industrial fasteners - Threaded steel fasteners - Technical supply conditions Part 18 packaging ( <i>third revision</i> )
IS 1367 (Part 19) : 1997 ISO 3800 : 1993	Industrial fasteners - Threaded steel fasteners - Technical supply conditions Part 19 Axial load fatigue testing of bolts screws and studs
IS 1367 (Part 20) : 1996 ISO 896-7 : 1992	Industrial fasteners - Threaded steel fasteners - Technical supply conditions - Mechanical properties Part 20 Torsional test and minimum torques for bolts

	and screws with nominal diameters 1 mm to 10 mm
IS 1929:1982	Specification for hot forged steel rivets for hot closing (12 to 36 mm diameter) ( <i>first revision</i> )
IS 2016:1967	Specification for plain washers ( <i>first revision</i> )
IS 2155:1982	Specification for cold forged solid steel rivets for hot closing (6 to 16 mm diameter) ( <i>first revision</i> )
IS 2269:2006	Hexagon socket head cap screws ( <i>fifth revision</i> )
IS 2585:2006	IS 2585:2006 Square head bolts, screws and square nuts of Product Grade C – Specification ( <i>second revision</i> )
IS 2609:1972	Specification for coach bolts ( <i>first revision</i> )
IS 2643:2005	Pipe threads where pressure-tight joints are not made on the threads - Dimensions, tolerances and designation ( <i>third revision</i> )
IS 2687:1991	Specification for cap nuts ( <i>second revision</i> )
IS 2769:1969	Sizes for squares and square holes for general engineering purposes ( <i>first revision</i> )
IS 2907:1998	Specification for non-ferrous rivets ( <i>first revision</i> )
IS 2998:1982	Specification for cold forged steel rivets for cold closing (1 to 16 mm diameter) ( <i>first revision</i> )
IS 3063:1994	Specification for fasteners single coil rectangular section spring lock washers ( <i>second revision</i> )
IS 3121 : 2023	Rigging screws and stretching screws – Specification ( <i>second revision</i> )
IS 3468:1991	Specification for pipe nuts ( <i>second revision</i> )
IS 3640:1982	Specification for hexagon fit bolts ( <i>first revision</i> )
IS 3757:1985	Specification for high strength structural bolts ( <i>second revision</i> )

IS 4206 : 2018 ISO 888 : 2012	Dimensions for nominal lengths and thread lengths for bolts screws and studs ( <i>second revision</i> )
IS 4762:2002	Fasteners – Worm drive hose clamps for general purposes – Specification ( <i>second revision</i> )
IS 5370:1969	Specification for plain washers with outside diameter $\approx 3 \times$ inside diameter
IS 5372:1975	Specification for taper washer for channels (ISMC) ( <i>first revision</i> )
IS 5373:1969	Specification for square washers for wood fastenings
IS 5374:1975	Specification for taper washers for I-beam (ISMB) ( <i>first revision</i> )
IS 5624 : 2021	Foundation bolts specification ( <i>second revision</i> )
IS 6101:2018	Slotted pan head screws — Product Grade A ( <i>third revision</i> )
IS 6113:1970	Specification for aluminium fasteners for building purposes
IS 6610:1972	Specification for heavy washers for steel structures
IS 6623:2004	High strength structural nuts - Specification ( <i>second revision</i> )
IS 6639 : 1972	Specification for hexagon bolts for steel structures
IS 6649:1985	Specification for hardened and tempered washers for high strength structural bolts and nuts ( <i>first revision</i> )
IS 6733:1972	Specification for wall and roofing nails
IS 6736:1972	Specification for slotted raised countersunk head wood screws
IS 6739:1972	Specification for slotted round head wood screws
IS 6760:1972	Specification for slotted countersunk head wood screws

IS 6761 : 2023	Fasteners - Hexagon socket countersunk head screws with reduced loadability ( <i>third revision</i> )
IS 7002 : 2018	Prevailing torque type hexagon regular nuts (with non - metallic insert) - property classes 5,8 and 10 ( <i>third revision</i> )
IS 7169 : 2018 ISO 1483 : 2011	Slotted raised countersunk (Oval) head tapping screws ( <i>second revision</i> )
IS 7170 : 2018 ISO 1482 : 2011	Slotted countersunk (Flat) head tapping screws ( <i>second revision</i> )
IS 7173 : 2018	Slotted pan head tapping screws ( <i>second revision</i> )
IS 7178 : 2018	Heat - Treated steel tapping screws - Mechanical properties ( <i>fourth revision</i> )
IS 7483 : 2018 ISO 7045 : 2011	Pan head screws with type H or type Z cross recess - Product grade A ( <i>third revision</i> )
IS 7485 (Part 1) : 2018 ISO 7046-1 : 2011	Countersunk flat head screws (common head style) With Type H or Type Z cross recess - Product grade a Part 1 Steel screws of property class 4.8 ( <i>third revision</i> )
IS 7485 (Part 2) : 2018 ISO 7046-2 : 2011	Countersunk flat head screws (common head style) with type H or type Z cross recess - Product grade A Part 2 Steel screws of property class 8.8, stainless steel screws and non - ferrous metal screws ( <i>third revision</i> )
IS 7486 : 2018 ISO 7047 : 2011	Raised countersunk head screws (common head style) with type H or type Z cross recess - Product grade A ( <i>third revision</i> )
IS 8033:1976	Specification for washers with square hole for wood fastenings
IS 8412:1977	Specification for slotted countersunk head bolts for steel structures
IS 8536 : 2021 ISO 225 : 2010	Fasteners – Bolts, screws, studs and nuts - Symbols and descriptions of dimensions ( <i>second revision</i> )
IS 8822:1978	Specification for slotted mushroom head roofing bolts

IS 8869:1978	Specification for washers for corrugated sheet roofing
IS 8911 : 2018 ISO 2010 : 2011	Slotted raised countersunk head screws - Product grade A ( <i>second revision</i> )
IS 10102:1982	Specification for technical supply conditions for rivets
IS 10238:2001	Fasteners — Threaded steel fasteners — Step bolts for steel structures — Specification ( <i>first revision</i> )
IS/ISO 10683 : 2018	Fasteners — Non electrolytically applied zinc flake coating systems
IS 12427:2001	Threaded steel fasteners — hexagon head transmission tower bolts — Specification ( <i>first revision</i> )
IS 13722 : 2018 ISO 8673 : 2012	Hexagon regular nuts (Style 1) with metric fine pitch thread - Product grades A and B ( <i>second revision</i> )
IS 13723 : 2018 ISO 8674 : 2012	Hexagon high nuts (Style 2) with metric fine pitch thread - Product grades A and B ( <i>second revision</i> )
IS 13724 : 2018 ISO 8675 : 2012	Hexagon thin nuts chamfered (Style 0) with metric fine pitch thread - Product grades A and B ( <i>second revision</i> )
IS 13725 : 2023 ISO 8676 : 2022	Hexagon head screws with metric fine pitch thread- Product grades A and B ( <i>third revision</i> )
IS 13726 : 2023 ISO 8765 : 2022	Hexagon head bolts with metric fine pitch thread - Product grades A and B ( <i>third revision</i> )
IS 14894 : 2023 ISO 4015 : 2022	Fasteners - Hexagon head bolts of product grade B - Reduced shank (Shank Diameter $\approx$ Pitch Diameter) – Specification ( <i>first revision</i> )
IS 15274 : 2021 ISO 4759-3 : 2016	Tolerances for fasteners - Washers for bolts, screws and nuts - Product grades A, C and F ( <i>first revision</i> )
IS 15581 : 2018	Hexagon nuts with flange, style 2 - Coarse thread ( <i>first revision</i> )
IS 15582 : 2018	Hexagon bolts with flange - Small series - Product

	grade A with driving feature of product grade B ( <i>first revision</i> )
IS 15628 : 2022 ISO 4766 : 2011	Slotted set screws with flat point – Specification ( <i>first revision</i> )
IS 17445 : 2020 ISO 15330 : 1999	Fasteners — Preloading test for the detection of hydrogen embrittlement — Parallel bearing surface method
IS 17894 : 2022 ISO 22081 : 2021	Geometrical product specifications (GPS) - Geometrical tolerancing - General geometrical specifications and general size specifications
IS 18471	Fasteners - Cross recessed drilling screws with tapping screw thread
(Part 1) : 2023	Part 1 Pan head
(Part 2) : 2023	Part 2 Countersunk head
(Part 3) : 2023	Part 3 Raised countersunk head
IS 18476 : 2023	Fasteners - Hexagon washer head drilling screws with tapping screw thread
IS 18480 (Part 1) : 2023	Cross Recessed tapping screws - Part 1 Pan head
IS 18480 (Part 2) : 2023	Cross recessed tapping screws - Part 2 Countersunk flat head
IS 18480 (Part 3) : 2023	Cross recessed tapping screw - Part 3 Raised countersunk oval head
IS 18507 : 2024	Drywall screws – Specification
IS 18508 : 2024	Chipboard screws – Specification
IS 18509 : 2024	Cross recessed countersunk head wood screws – Specification

## 26 TIMBER, BAMBOO AND OTHER LIGNOCELLULOSIC BUILDING MATERIALS

### a) Timber and Bamboo

#### i) Timber Classification

IS 287:1993	Permissible moisture content for timber used for different purposes - Recommendations ( <i>third revision</i> )
IS 399:1963	Classification of commercial timbers and their zonal distribution ( <i>revised</i> )
IS 1150:2000	Trade names and abbreviated symbols <i>for timber species (third revision)</i>
IS 4970:1973	Key for identification of commercial timber ( <i>first revision</i> )

#### ii) Timber Conversion and Grading

IS 190:1991	Specification for coniferous sawn timber (baulks and scantlings) ( <i>fourth revision</i> )
<b>IS 1326 : 2023</b>	<b>Non-Coniferous sawn timber baulks and scantling specification (<i>third revision</i>)</b>
IS 1331:1971	Specification for cut sizes of timber ( <i>second revision</i> )
IS 2377:1967	Tables for volumes of cut sizes of timber ( <i>first revision</i> )
IS 3337:1978	Specification for ballies for general purposes ( <i>first revision</i> )
IS 3386:1979	Specification for wooden fence posts ( <i>first revision</i> )
<b>IS 5966 : 2023</b>	<b>Non-coniferous timber in converted form for general purposes specification (<i>second revision</i>)</b>
IS 14960:2001	Specification for preservative treated and seasoned sawn timber from rubberwood ( <i>Hevea brasiliensis</i> )

## iii) Timber Testing

IS 1708	Methods of testing small clear specimens of timber
(Part 1):1986	Part 1 Determination of moisture content ( <i>second revision</i> )
(Part 2):1986	Part 2 Determination of specific gravity ( <i>second revision</i> )
(Part 3):1986	Part 3 Determination of volumetric shrinkage ( <i>second revision</i> )
(Part 4):1986	Part 4 Determination of radial and tangential shrinkage and fibre saturation point ( <i>second revision</i> )
(Part 5):1986	Part 5 Determination of static bending strength ( <i>second revision</i> )
(Part 6):1986	Part 6 Determination of static bending strength under two point loading ( <i>second revision</i> )
(Part 7):1986	Part 7 Determination of impact bending strength ( <i>second revision</i> )
(Part 8):1986	Part 8 Determination of compressive strength parallel to grain ( <i>second revision</i> )
(Part 9):1986	Part 9 Determination of compressive strength perpendicular to grain ( <i>second revision</i> )
(Part 10):1986	Part 10 Determination of hardness under static indentation ( <i>second revision</i> )
(Part 11):1986	Part 11 Determination of shear strength parallel to grain ( <i>second revision</i> )
(Part 12):1986	Part 12 Determination of tensile strength parallel to grain ( <i>second revision</i> )
(Part 13):1986	Part 13 Determination of tensile strength perpendicular to grain ( <i>second revision</i> )
(Part 14):1986	Part 14 Determination of cleavage strength parallel to grain ( <i>second revision</i> )



(Part 15):1986	Part 15 Determination of nail and screw holding power ( <i>second revision</i> )
(Part 16):1986	Part 16 Determination of brittleness by izod impact ( <i>second revision</i> )
(Part 17):1986	Part 17 Determination of brittleness by Charpy impact ( <i>second revision</i> )
(Part 18):1986	Part 18 Determination of torsional strength ( <i>second revision</i> )
IS 2408:1963	Methods of static tests of timbers in structural sizes
IS 2455:1990	Method of sampling of model trees and logs for timber testing and their conversion ( <i>second revision</i> )
IS 2753	Methods for estimation of preservatives in treated timber and treating solutions
(Part 1):1991	Part 1: Determination of copper, arsenic, chromium, zinc, boron, creosote and fuel oil ( <i>first revision</i> )
(Part 2):2014	Determination of copper in copper organic preservative salt ( <i>second revision</i> )
<b>IS 4907 : 2004</b>	<b>Method of testing timber connector joints (<i>first revision</i>)</b>
IS 8292:1992	Methods for evaluation of working quality of timber under different wood operations-Method of test ( <i>first revision</i> )
IS 8720:1978	Methods of sampling of timber scantlings from depots and their conversion for testing
IS 8745:1994	Methods of presentation of data of physical and mechanical properties of timber ( <i>first revision</i> )
IS 10420:1982	Method of determination of sound absorption coefficient of timber by standing wave method
IS 10754:1983	Method of determination of thermal conductivity of

	timber
IS 11215:1991	Methods for determination of moisture content of timber and timber products ( <i>first revision</i> )
IS 13621:1993	Method of test for determination of dielectric constant of wood under microwave frequencies

iv) *Structural Timber and Test*

IS 2372 : 2021	Timber for cooling towers - Specification ( <i>third revision</i> )
IS 3629:1986	Specification for structural timber in building ( <i>first revision</i> )
IS 4891:1988	Specification for preferred cut sizes of structural timber ( <i>first revision</i> )
IS 4924	Method of test for nail jointed timber trusses
(Part 1):1968	Part 1 Destructive test
(Part 2):1968	Part 2 Proof test

v) *Logs*

IS 656 : 2023	Logs for plywood – Specification ( <i>fourth revision</i> )
IS 3364	Method of measurement and evaluation of defects in timber
(Part 1):1976	Part 1 Logs ( <i>first revision</i> )
(Part 2):1976	Part 2 Converted timber ( <i>first revision</i> )
IS 4895:1985	Specification for teak logs ( <i>first revision</i> )
IS 5246:2000	Specification for coniferous logs ( <i>first revision</i> )
IS 7308:1999	Specification for non-coniferous logs ( <i>first revision</i> )

vi) *Bamboo*

IS 6874:2008	Method of tests for bamboos ( <i>first revision</i> )
IS 8242:1976	Methods of tests for split bamboos
IS 17571 : 2021	Flattened bamboo board – Specification
IS 17572 : 2022	BWP grade bamboo mat-veneer composite board - Specification
IS 17573 : 2021	BWP grade bamboo mat board - Specification

**(b) Reconstituted Products**i) *Plywood*

IS 303 : 2024	Plywood for general purposes — Specification ( <i>fourth revision</i> )
IS 710 : 2024	Marine plywood — Specification ( <i>third revision</i> )
IS 1328:1996	Specification for veneered decorative plywood ( <i>third revision</i> )
IS 1734	Methods of test for plywood
(Part 1):1983	Part 1 Determination of density and moisture content ( <i>second revision</i> )
(Part 2):1983	Part 2 Determination of resistance of dry heat ( <i>second revision</i> )
(Part 3):1983	Part 3 Determination of fire resistance ( <i>second revision</i> )
(Part 4):1983	Part 4 Determination of glue shear strength ( <i>second revision</i> )
(Part 5):1983	Part 5 Test for adhesion of plies ( <i>second revision</i> )
(Part 6):1983	Part 6 Determination of water resistance ( <i>second revision</i> )

(Part 7):1983	Part 7 Mycological test ( <i>second revision</i> )
(Part 8):1983	Part 8 Determination of pH value ( <i>second revision</i> )
(Part 9):1983	Part 9 Determination of tensile strength ( <i>second revision</i> )
(Part 10):1983	Part 10 Determination of compressive strength ( <i>second revision</i> )
(Part 11):1983	Part 11 Determination of static bending strength ( <i>second revision</i> )
(Part 12):1983	Part 12 Determination of scarf joint strength ( <i>second revision</i> )
(Part 13):1983	Part 13 Determination of panel shear strength ( <i>second revision</i> )
(Part 14):1983	Part 14 Determination of plate shear strength ( <i>second revision</i> )
(Part 15):1983	Part 15 Central loading of plate test ( <i>second revision</i> )
(Part 16):1983	Part 16 Vibration of plywood plate test ( <i>second revision</i> )
(Part 17):1983	Part 17 Long time loading test of plywood strips ( <i>second revision</i> )
(Part 18):1983	Part 18 Impact resistance test on the surface of plywood ( <i>second revision</i> )
(Part 19):1983	Part 19 Determination of nail and screw holding power ( <i>second revision</i> )
(Part 20):1983	Part 20 Acidity and alkalinity resistance test ( <i>second revision</i> )
IS 4990 : 2024	Plywood for concrete shuttering works — Specification ( <i>fourth revision</i> )
IS 5509 : 2021	Fire retardant plywood - Specification ( <i>third revision</i> )

IS 5539:1969	Specification for preservative treated plywood
IS 7316:1974	Specification for decorative plywood using plurality of veneers for decorative faces
IS 10701:2012	Structural plywood — Specification ( <i>first revision</i> )
IS 13957:1994	Specification for metal faced plywood
IS 15791:2007	Museum plywood — Specification

ii) *Blockboards, Particle Boards and Fibre Boards*

IS 1658:2006	Fibre hardboards — Specification ( <i>third revision</i> )
<b>IS 1659 : 2004</b>	<b>Block boards - Specification (<i>fourth revision</i>)</b>
IS 2380	Methods of test for wood particle boards and boards from other lignocellulosic materials
(Part 1):1977	Part 1 Preparation and conditioning of test specimens ( <i>first revision</i> )
(Part 2):1977	Part 2 Accuracy of dimensions of boards ( <i>first revision</i> )
(Part 3):1977	Part 3 Determination of moisture content and density ( <i>first revision</i> )
(Part 4):1977	Part 4 Determination of static bending strength ( <i>first revision</i> )
(Part 5):1977	Part 5 Determination of tensile strength perpendicular to surface ( <i>first revision</i> )
(Part 6):1977	Part 6 Determination of tensile strength parallel to surface ( <i>first revision</i> )
(Part 7):1977	Part 7 Determination of compression-perpendicular to plane of the board ( <i>first revision</i> )
(Part 8):1977	Part 8 Compression parallel to surface test ( <i>first</i>

	<i>revision)</i>
(Part 9):1977	Part 9 Determination of resistance to shear in plane of the board ( <i>first revision</i> )
(Part 10):1977	Part 10 Falling hammer impact test ( <i>first revision</i> )
(Part 11):1977	Part 11 Surface hardness ( <i>first revision</i> )
(Part 12):1977	Part 12 Central loading of plate test ( <i>first revision</i> )
(Part 13):1977	Part 13 Long time loading bending test ( <i>first revision</i> )
(Part 14):1977	Part 14 Screw and nail withdrawal test ( <i>first revision</i> )
(Part 15):1977	Part 15 Lateral nail resistance ( <i>first revision</i> )
(Part 16):1977	Part 16 Determination of water absorption ( <i>first revision</i> )
(Part 17):1977	Part 17 Determination of swelling in water ( <i>first revision</i> )
(Part 18):1977	Part 18 Determination of mass and dimensional changes caused by moisture changes ( <i>first revision</i> )
(Part 19):1977	Part 19 Durability cyclic test for interior use ( <i>first revision</i> )
(Part 20):1977	Part 20 Accelerated weathering cyclic test for exterior use ( <i>first revision</i> )
(Part 21):1977	Part 21 Planeness test under uniform moisture content ( <i>first revision</i> )
(Part 22):1981	Part 22 Determination of surface glueability test
(Part 23):1981	Part 23 Vibration test for particle boards
IS 3087:2005	Specification for particle boards of wood and other lignocellulosic materials (medium density) for general purposes ( <i>second revision</i> )

IS 3097:2006	Specification for veneered particle boards ( <i>second revision</i> )
IS 3129:1985	Specification for low density particle boards ( <i>first revision</i> )
IS 3308:1981	Specification for wood wool building slabs ( <i>first revision</i> )
IS 3348:1965	Specification for fibre insulation boards
IS 3478:1966	Specification for high density wood particle boards
IS 12406 : 2021	Medium density fibre boards for general purpose – specification ( <i>second revision</i> )
IS 12823 : 2015	Prelaminated particle boards from wood and other lignocellulosic material - Specification ( <i>first revision</i> )
IS 13745 : 2020	Method for determination of formaldehyde content in wood-based panels by extraction method called perforator method ( <i>first revision</i> )
IS 14276 : 2016	Cement bonded particle boards - Specification ( <i>first revision</i> )
IS 14587 : 2023	Prelaminated medium density fibre board – Specification ( <i>first revision</i> )
IS 15786:2008	Prelaminated cement bonded particle boards — Specification

### iii) Wood-Based Laminates and Lumber

IS 3513(Part 3):1989	Specification for resin treated compressed wood laminates (compregs): Part 3 For General Purposes ( <i>first revision</i> )
IS 3513(Part 4):1966	Specification for high and medium density wood laminates (compregs): Part 4 Sampling and tests

IS 7638:1999	Methods of sampling for wood/lignocellulosic based panel products
IS 9307	Methods of tests for wood-based structural sandwich construction
(Part 1):1979	Part 1 Flexure test
(Part 2):1979	Part 2 Edgewise compression test
(Part 3):1979	Part 3 Flatwise compression test
(Part 4):1979	Part 4 Shear test
(Part 5):1979	Part 5 Flatwise tension test
(Part 6):1979	Part 6 Flexure creep test
(Part 7):1979	Part 7 Cantilever vibration test
(Part 8):1979	Part 8 Weathering test
IS 14315:1995	Specification for commercial veneers
IS 14616:1999	Specification for laminated veneer lumber
IS 16171 : 2014	Veneer laminated lumber - Specification

iv) *Bamboo and Coir Board Products*

IS 13958:1994	Specification for bamboo mat board for general purposes
IS 14588:1999	Specification for bamboo mat veneer composite for general purposes
IS 14842:2000	Specification for coir veneer board for general purposes
IS 15476:2004	Specification for bamboo mat corrugated sheets
IS 15491:2004	Specification for medium density coir boards for



	general purposes
IS 15877:2010	Coir faced block boards — Specification
IS 15878:2010	Coir hardboard for general purposes — Specification
IS 15972:2012	Bamboo-jute corrugated and semi-corrugated sheets — Specification

## v) Adhesives

IS 848:2006	Synthetic resin adhesives for plywood (phenolic and aminoplastic) – Specification ( <i>second revision</i> )
IS 851:1978	Specification for synthetic resin adhesives for construction work (non-structural) in wood ( <i>first revision</i> )
IS 852:1994	Animal glue for general wood-working purposes Specification ( <i>second revision</i> )
IS 1508:1972	Specification for extenders for use in synthetic resin adhesives (urea-formaldehyde) for plywood ( <i>first revision</i> )
IS 4835:1979	Specification for polyvinyl acetate dispersion-based adhesives for wood ( <i>first revision</i> )
IS 9188:1979	Performance requirements for adhesive for structural laminated wood products for use under exterior exposure condition

**27 UNIT WEIGHTS OF BUILDING MATERIALS**

IS 875(Part 1):1987	Code of practice for design loads (other than earthquake) for buildings and structures : Part 1 Dead loads – Unit weights of building material and stored materials ( <i>second revision</i> )
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**28 WATERPROOFING AND DAMP-PROOFING MATERIALS**

IS 1322:1993	Specification for bitumen felts for waterproofing and damp-proofing ( <i>fourth revision</i> )
IS 1580:1991	Specification for bituminous compound for waterproofing and caulking purposes ( <i>second revision</i> )
IS 3037:1986	Specification for bitumen mastic for use in waterproofing of roofs ( <i>first revision</i> )
IS 3384:1986	Specification for bitumen primer for use in waterproofing and damp-proofing ( <i>first revision</i> )
IS 5871:1987	Specification for bitumen mastic for tanking and damp-proofing ( <i>first revision</i> )
IS 7193:2013	Glass fibre base bitumen felts — Specification ( <i>second revision</i> )
IS 12027:1987	Silicone-based water repellents — Specification
IS 13435 (Part 1) : 2021	Acrylic based polymer waterproofing material - Method of tests Part 1 Determination of solid content ( <i>first revision</i> )
IS 13435 (Part 2) : 1992	Acrylic based polymer waterproofing materials - methods of test - Part 2 Determination of coarse particles
IS 13435 (Part 3) : 1992	Acrylic based polymer waterproofing material - Methods of test Part 3 Determination of capillary water take-up
IS 13435 (Part 4) : 1992	Acrylic based polymer waterproofing material - Methods of test Part 4 Determination of pH value
IS 13826 (Part 1) : 1993	Bitumen based felts - Method of test Part 1 Breaking strength test
IS 13826 (Part 2) : 2022	Bitumen based felts - Methods of test Part 2 Pliability test ( <i>first revision</i> )
IS 13826 (Part 3) : 1993	Bitumen based felts - Methods of test Part 3 Storage sticking test

IS 13826 (Part 4) : 1993	Bitumen based felts - Method of test Part 4 Pressure head test
IS 13826 (Part 5) : 1994	Bitumen based felts - Methods of test Part 5 Heat resistance test
IS 13826 (Part 6) : 1993	Bitumen based felts - Methods of test Part 6 Water absorption test
IS 13826 (Part 7) : 1993	Bitumen based felts - Methods of test Part 7 Determination of binder content
IS 14695:1999	Glass fibre base coal tar pitch outer wrap — Specification
IS 16525 : 2017	Styrene butadiene styrene (SBS) modified bituminous waterproofing and damp-proofing membrane with polyester reinforcement – Specification
IS 16526 : 2017	Atactic polypropylene (APP) modified bituminous waterproofing and damp-proofing membrane with glass fibre reinforcement – Specification
IS 16532 : 2017	APP modified bituminous waterproofing and damp-proofing membrane with polyester reinforcement – Specification
IS 16540 : 2017	Atactic polypropylene (APP) modified high molecular high density polyethylene (HMHDPE) bituminous waterproofing and damp-proofing membrane – Specification

## 29 WELDING ELECTRODES AND WIRES

IS 814:2004	Covered electrodes for manual metal arc welding of carbon and carbon manganese steel— Specification ( <i>sixth revision</i> )
IS 1278:1972	Specification for filler rods and wires for gas welding ( <i>second revision</i> )
IS 1395:1982	Specification for low and medium alloy steel covered electrodes for manual metal arc welding ( <i>third revision</i> )

IS 2879:1998	Mild steel for metal arc welding electrodes ( <i>third revision</i> )
IS 4972 (Part 1) : 2022 ISO 8430-1 : 2016	Resistance spot welding Part 1 Electrode holders - Taper fixing 1 : 10 ( <i>first revision</i> )
IS 4972 (Part 2) : 2022 ISO 8430-2 : 2016	Resistance spot welding Part 2 Electrode holders - Morse taper fixing ( <i>first revision</i> )
IS 4972 (Part 3) : 2022 ISO 8430-3 : 2016	Resistance spot welding Part 3 Electrode holders parallel shank fixing for end thrust ( <i>first revision</i> )
IS 4972 (Part 4) : 2022 ISO 5183 – 1 : 1998	Resistance spot welding Part 4 Electrode adaptors, male taper 1 : 10 - conical fixing, taper 1 : 10 ( <i>first revision</i> )
IS 4972 (Part 5) : 2022 ISO 5183-2 : 2000	Resistance spot welding Part 5 Electrode adaptors, male taper 1 : 10 - Parallel shank fixing for end-thrust electrodes ( <i>first revision</i> )
IS 4972 (Part 6) : 2022 ISO 5184 : 1979	Resistance spot welding Part 6 Straight resistance spot welding electrodes ( <i>first revision</i> )
IS 4972 (Part 7) : 2022 ISO 1089 : 1980	Resistance spot welding Part 7 Electrode taper fits for spot welding equipment -- Dimensions ( <i>first revision</i> )
IS 4972 (Part 8) : 2022 ISO 5182 : 2016	Resistance spot welding Part 8 Materials for electrodes and ancillary equipment ( <i>first revision</i> )
IS 5206:1983	Covered electrodes for manual arc welding of stainless steel and other similar high alloy steels ( <i>first revision</i> )
IS 5511:1991	Specification for covered electrodes for manual metal arc welding of cast iron ( <i>first revision</i> )
IS 5856 : 2022 ISO 14343 : 2017	Welding consumables - wire electrodes, strip electrodes, wires and rods for arc welding of stainless and heat resisting steels - Classification ( <i>third revision</i> )
IS 5897:1985	Specification for aluminium and aluminium alloy welding rods and wires and magnesium alloy welding rods ( <i>first revision</i> )

IS 5898:1970	Specification for copper and copper alloy bare solid welding rods and electrodes
IS 6419:1996	Specification for welding rods and bare electrodes for gas shielded arc welding of structural steel ( <i>first revision</i> )
IS 6560 : 2017 ISO 21952 : 2012	Welding consumables - Wire electrodes, wires, rods and deposits for gas shielded arc welding of creep-Resisting steels - Classification ( <i>second revision</i> )
IS 8363:1976	Specification for bare wire electrodes for electroslag welding of steels
IS 10631:1983	Stainless steel for welding electrode core wire
IS 13007 : 2018	Arc welding and cutting- non consumable tungsten electrodes- Classification ( <i>first revision</i> )
IS 15977:2013	Classification and acceptance tests for bare solid wire electrodes and wire flux combination for submerged arc welding of structural steel — Specification
IS 18641 : 2024 ISO 544 : 2017	Welding consumables — Technical delivery conditions for filler materials and fluxes — Type of product, dimensions, tolerances and markings
IS 18734 : 2024 ISO 6847 : 2020	Welding consumables — Deposition of a weld metal pad for chemical analysis
IS 18738 (Part 1) : 2024 ISO 15792-1 : 2020	Welding consumables — Methods of test Part 1 Preparation of all-weld metal test pieces and specimens in steel, nickel and nickel alloys
IS 18738 (Part 2) : 2024 ISO 15792-2 : 2020	Welding consumables — Methods of test Part 2 Preparation of single-run and two-run technique test pieces and specimens in steel
IS 18738 (Part 3) : 2024 ISO 15792-3 : 2011	Welding consumables — Methods of test Part 3 Classification testing of positional capacity and root penetration of welding consumables in a fillet weld
IS 18783 : 2024 ISO 14175 : 2008	Welding consumables — Gases and gas mixtures for fusion welding and allied processes

IS 8666:1977	Specification for copper and copper alloy covered electrodes for manual metal arc welding
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### 30 WIRE ROPES AND WIRE PRODUCTS (including wire for fencing)

IS 278:2009	Galvanized steel barbed wire for fencing — Specification ( <i>fourth revision</i> )
IS 1755 : 2018	Metallic materials - Wire - Wrapping test ( <i>second revision</i> )
IS 2140 : 2022	Specification for stranded galvanized steel wire for fencing ( <i>second revision</i> )
IS 2266 : 2024	Steel wire ropes for general engineering purpose — Specification ( <i>sixth revision</i> )
IS 2315 : 2023	Thimbles for wire ropes – Specification ( <i>second revision</i> )
IS 2365 : 2024 ISO 4344 : 2022	Steel wire ropes for lifts — Minimum requirements ( <i>third revision</i> )
IS/ISO 2408 : 2017	Steel wire ropes - Requirements
IS 2485 : 2022	Drop forged sockets for wire ropes for general engineering purposes - Specification ( <i>second revision</i> )
IS 2721:2003	Galvanized steel chain link fences fabric — Specification ( <i>second revision</i> )
IS 6594 : 2024	Technical supply conditions for steel wire ropes and strands ( <i>fourth revision</i> )
IS 13902 (Part 1) : 2022	Sockets for wire ropes for general purposes Part 1 General characteristics and conditions of acceptance ( <i>first revision</i> )
IS 13902 (Part 2) : 2022	Sockets for wire ropes for general purposes Part 2 Special requirements for sockets produced by forging or machined from the solid ( <i>first revision</i> )
IS 16013 : 2018	Welded wire gabions (metallic-coated or metallic-

	coated with PVC coating) - Specification ( <i>first revision</i> )
IS 16014 : 2024	Mechanically woven, Double-Twisted, hexagonal wire mesh gabions, revet mattresses, rock fall netting and other products for civil engineering purposes (galvanized steel wire or galvanized steel wire with polymer coating) — Specification ( <i>second revision</i> )
IS/ISO 17745 : 2016	Steel wire ring net panels — Definitions and specifications
IS/ISO 17746 : 2016	Steel wire rope net panels and rolls — Definitions and specifications
IS 17929 (Part 1) : 2022 ISO 18692-1 : 2018	Fibre ropes for offshore station Keeping Part 1 General specification
IS 17929 (Part 2) : 2022 ISO 18692-2 : 2019	Fibre ropes for offshore stationkeeping Part 2 Polyester
IS 17929 (Part 3) : 2022 ISO 18692-3 : 2020	Fibre ropes for offshore stationkeeping Part 3 High modulus polyethylene (HMPE)
IS 17929 (Part 4) : 2024 ISO 18692-4 : 2023	Textiles — Fibre ropes for offshore station keeping Part 4 Polyarylate
S 17929 (Part 5) : 2024 ISO 18692-5 : 2024	Textiles — Fibre ropes for offshore station keeping Part 5 Aramid
IS 18759 : 2024 ISO 10325 : 2018	Fibre ropes — High modulus polyethylene — 8-Strand braided ropes, 12-Strand braided ropes and covered ropes

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