BUREAU OF INDIAN STANDARDS

Program of Work

CED 41 : Waterproofing And Damp-proofing

Scope: STANDARDIZATION IN THE FIELD OF WATERPROOFING AND DAMP-PROOFING MAINLY WITH REFERENCE TO GENERAL BUILDING CONSTRUCTION INCLUDING SPECIFICATION FOR MATERIALS, CODE OF PRACTICE AND METHODS OF TESTS.

Liaison:

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 12027 (Part 2):2025	Water Repellents - Specification: Part 2 Silane Based (First Revision)		-	Indigenous
2	IS 12054:2025	Application of Water Repellents - Code of Practice (First Revision)		-	Indigenous
3	IS 13182:2020 AS 3740	Waterproofing and Damp-Proofing of Wet Areas in Buildings — Recommendations (First Revision)	-	-	Modified/Technically Equivalent
4	IS 1322:1993	Bitumen Felts for Water Proofing and Damp-proofing - Specification (Fourth Revision)	December, 2022	2	Indigenous
5	IS 13435 (Part 1):2021	Acrylic Based Polymer Waterproofinng Material - Method of Tests: Part 1 Determination of Solid Content (First Revision)		-	Indigenous
6	IS 13435 (Part 2):1992	Acrylic based Polymer waterproofing Materials - Methods of Test - Part 2 : Determination of Coarse Particles	December, 2022	-	Indigenous
7	IS 13435 (Part 3):1992	Acrylic Based Polymer Waterproofing Materials - Methods of Test: Part 3 Determination of Capillary Water Take-up	December, 2022	1	Indigenous
8	IS 13435 (Part 4):1992	Acrylic Based Polymer Waterproofing Materials - Methods of Tests: Part 4 Determination of pH value	December, 2022	-	Indigenous
9	IS 1346:1991	Code of Practice for Waterproofing of Roofs with Bitumen Felts (Third Revision)	March, 2020	-	Indigenous
10	IS 13826 (Part 2):2022	Bitumen based felts - Methods of test: Part 2 Pliability test (First Revision)		-	Indigenous
11	IS 13826 (Part	Bitumen based felts - Method of	December, 2022	1	Indigenous

	1):1993	test Part 1 Breaking strength test			
12	IS 13826 (Part 3):1993	Bitumen based felts - Methods of test Part 3 Storage sticking test	December, 2022	-	Indigenous
13	IS 13826 (Part 4):1993	Bitumen Based Felts - Methods of Test: Part 4 Pressure Head Test	December, 2022	1	Indigenous
14	IS 13826 (Part 5):1994	Bitumen based felts - Methods of test Part 5 Heat resistance test	December, 2022	-	Indigenous
15	IS 13826 (Part 6):1993	Bitumen based felts - Methods of test Part 6 Water absorption test	December, 2022	-	Indigenous
16	IS 13826 (Part 7):1993	Bitumen based felts - Methods of test Part 7 Determination of binder test	December, 2022	1	Indigenous
17	IS 14695:1999	Glass fibre base coal tar pitch outerwrap - Specification	January, 2024	-	Indigenous
18	IS 1580:1991	Bituminous compounds for waterproofing and caulking purposes - Specification (Second Revision)	March, 2020	-	Indigenous
19	IS 1609:1991	Damp - Proofing treatment using bitumen felts - Code of practice (Third Revision)	March, 2020	-	Indigenous
20	IS 16471:2017	Protection of below ground structures against water from the ground - Guidelines	March, 2022	-	Indigenous
21	IS 16525:2017	Styrene butadiene styrene (SBS) modified bituminous waterproofing and damp-proofing membrane with polyester reinforcement - Specification	June, 2022	-	Indigenous
22	IS 16526:2017	Atactic polypropylene (APP) modified bituminous waterproofing and damp-proofing membrane with glass fibre reinforcement - Specification	June, 2022	-	Indigenous
23	IS 16532:2017	APP Modified Bituminous Waterproofing and Damp-Proofing Membrane with Polyester Reinforcement - Specification	June, 2022	-	Indigenous
24	IS 16540:2017	Atactic polypropylene (APP) modified high molecular high density polyethylene (HMHDPE) bituminous waterproofing and damp-proofing membrane - Specification	June, 2022	-	Indigenous
25	IS 3036:2022	Laying Lime Concrete for a Waterproofed Roof Finish - Code of Practice (Third Revision)		-	Indigenous
26	IS 3037:1986	Specification for bitumen mastic for use in water-proofing of roofs (First Revision)	March, 2020	-	Indigenous
27	IS 3067:1988	Code of practice for general design details and preparatory work for damp-proofing and water-proofing of buildings (First Revision)	March, 2020	-	Indigenous

28	IS 3384:1986	Specification for bitumen primer for use in waterproofing and damp-proofing (First Revision)	March, 2020	-	Indigenous
29	IS 4365:1967	Code of practice for application of bitumen mastic for waterproofing of roofs	March, 2020	-	Indigenous
30	IS 4911:1986	Glossary of terms relating to bituminous waterproofing and damp - Proofing of buildings (First Revision)	March, 2020	1	Indigenous
31	IS 5871:1987	Specification for bitumen mastic for tanking and damp - Proofing (First Revision)	March, 2020	-	Indigenous
32	IS 6494:1988	Code of practice for waterproofing of underground water reservoirs and swimming pools (First Revision)	March, 2020	-	Indigenous
33	IS 7193:2013	Glass Fibre Base Bitumen Felts - Specification (Second Revision)	May, 2023	-	Indigenous
34	IS 7198:1974	Cqde of practice for damp - Proofing using bitumen mastic	March, 2020	-	Indigenous
35	IS 7290:1979	Recommendations for use of polyethylene film for waterproofing of roofs (First Revision)	March, 2020	1	Indigenous
36	IS 9918:1981 Reaffirmed but not taken up for revision	Code of practice for in - Situ waterproofing and damp - Proofing treatment with glass fibre - tissue reinforced bitumen	April, 2020	-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	CED 41 (07903)	PROTECTION OF BELOW GROUND STRUCTURES AGAINST WATER FROM THE GROUND 822 GUIDELINES
2	CED 41 (07946)	APP MODIFIED BITUMINOUS WATERPROOFING DAMP-PROOFING MEMBRANE WITH POLYESTER REINFORCEMENT- SPECIFICATION
3	CED 41 (07947)	SBS MODIFIED BITUMINOUS WATERPROOFING DAMP PROOFING MEMBRANE WITH POLYESTER REINFORCEMENT - SPECIFICATIONS
4	CED 41 (07945)	APP MODIFIED HMHDPE BITUMINOUS WATERPROOFING DAMPPROOFING MEMBRANE 822 SPECIFICATION
5	CED 41 (07944)	App Modified Bituminous Waterproofing Damp - Proofing Membrane with Glass Fibre Reinforcement - Specification
6	CED 41 (13220) Revision of: IS 13182:2020	Recommendations for Waterproofing and Damp-Proofing of Wet Areas in Building First revision
7	CED 41 (15498) Revision of: IS 13435:1992	Acrylic Based Polymer Waterproofinng Material - Method of Tests Part 1 Determination of Solid Content
8	CED 41 (15555) Revision of: IS 13826:1993	Bitumen based felts - Methods of test Part 2 Pliability test
9	CED 41 (15606) Revision of: IS 3036:1992	Code of practice for laying lime concrete for a waterproofed roof finish
10	CED 41 (26419) Revision of: IS 12054:1987	Application of Water Repellents - Code of Practice First Revision
11	CED 41 (26421) Revision of: IS 12027:1987	Water Repellents - Specification Part 1 Silicone Based First Revision
12	CED 41 (26422) Revision of: IS 12027:1987	Water Repellents - Specification Part 2 Silane Based First Revision

Total Published Standards:36 Total Standards Under development:12

Aspect Wise Report

Product : 12
Code of Practices : 11
Methods of Test : 11
Terminology : 1
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 1
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 13435 (Part 5):1992	Acrylic based polymer waterproofing material - Methods of test Part 5 Determination of minimum film forming temperature and white point
2	IS 8403:1977	Code of practice for construction of clarification digester for treatment of sewage

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 12027 (Part 2):2025	Water Repellents - Specification Part 2 Silane Based First Revision
2	IS 1322:1993	Bitumen Felts for Water Proofing and Damp-proofing - Specification Fourth Revision

3	IS 14695:1999	Glass fibre base coal tar pitch outerwrap - Specification
4	IS 1580:1991	Bituminous compounds for waterproofing and caulking purposes - Specification Second Revision
5	IS 16525:2017	Styrene butadiene styrene SBS modified bituminous waterproofing and damp-proofing membrane with polyester reinforcement - Specification
6	IS 16526:2017	Atactic polypropylene APP modified bituminous waterproofing and damp-proofing membrane with glass fibre reinforcement - Specification
7	IS 16532:2017	APP Modified Bituminous Waterproofing and Damp-Proofing Membrane with Polyester Reinforcement - Specification
8	IS 16540:2017	Atactic polypropylene APP modified high molecular high density polyethylene HMHDPE bituminous waterproofing and damp-proofing membrane - Specification
9	IS 3037:1986	Specification for bitumen mastic for use in water-proofing of roofs First Revision
10	IS 3384:1986	Specification for bitumen primer for use in waterproofing and damp-proofing First Revision
11	IS 5871:1987	Specification for bitumen mastic for tanking and damp - Proofing First Revision
12	IS 7193:2013	Glass Fibre Base Bitumen Felts - Specification Second Revision