BUREAU OF INDIAN STANDARDS

Program of Work

CHD 21 : Raw materials for paints, varnishes and related product

Scope: a) To formulate Indian standards for terminology, method of sampling and tests, code of practice and specification for raw materials for paints and coatings, varnishes and related products including application of nanotechnology in paint raw materials. b) To coordinate with work of ISO/TC 35 & ISO/TC 256

Liaison: **ISO TC-256 (P):** *Pigments, dyestuffs and extenders* **ISO TC-256 (P):** *Pigments, dyestuffs and extenders*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10897:2026	Zinc Phosphate Pigment for Paints - Specification		-	Indigenous
2	IS 11811:2021	Specification for alkyd resin (First Revision)		-	Indigenous
3	IS 13467:2024	Chlorinated Rubber for Paints - Specification (First Revision)		-	Indigenous
4	IS 14355:2022	Zinc dust pigment for paints - Specification (First Revision)		-	Indigenous
5	IS 14499:2021	Strontium chromate for paints - Specification (First Revision)		-	Indigenous
6	IS 14925:2001 Decision taken to Reaffirm and Archive	Epoxy resin for paints - Specification	May, 2022	-	Indigenous
7	IS 14925:2026	Epoxy resin for paints and Coatings - Specification (First Revision)		-	Indigenous
8	IS 15366:2026	Dolomite for paint - Specification (First Revision)		-	Indigenous
9	IS 17294:2019 ISO 7579 : 2009 Reviewed In : 2024 ISO 7579 : 2009	Dyestuffs - Determination of solubility in organic solvents gravimetric and photometric methods	March, 2024	-	Identical under dual numbering
10	IS 17384:2020 18451-1: 2019 ISO 18451-1: 2019	Pigments, dyestuffs and extenders - Terminology - general terms	March, 2025	-	Identical under dual numbering
11	IS 17680 (Part 1):2021 ISO 18314-1: 2015 ISO 18314-1: 2015	Analytical colorimetry : Part 1 practical colour measurement		-	Identical under dual numbering
12	IS 17727:2021	Water-soluble sodium carboxymethyl cellulose for paints - Specification		-	Indigenous

13	IS 18563:2024	Nanomodified Paints and Coatings - Code of Practice		-	Indigenous
14	IS 1872:2020	Thinner for synthetic paints and varnishes for aircrafts - Specification (First Revision)	March, 2025	-	Indigenous
15	IS 1873:2019 Decision taken to Reaffirm and Archive	Antichill thinner for cellulose nitrate based paints, dopes and lacquers for aircrafts - Specification (First Revision)	March, 2024	-	Indigenous
16	IS 19003:2022	Re-dispersible polymer powder - Specification		-	Indigenous
17	IS 289:2021	Aluminium paste for paints - Specification (Second Revision)		-	Indigenous
18	IS 33:1992	Inorganic pigments and extenders for paints - Methods of sampling and test (Third Revision)	March, 2024	1	Indigenous
19	IS 3493:1978 Decision taken to Reaffirm and Archive	Methods of sampling and test for organic pigments for paints (First Revision)	May, 2022	-	Indigenous
20	IS 35:2021	Zinc oxide for paints - Specification (Second Revision)		-	Indigenous
21	IS 3526:1981 Decision taken to Reaffirm and Archive	Specification for barium chromate for paints (First Revision)	May, 2022	1	Indigenous
22	IS 3527:1972 Decision taken to Reaffirm and Archive	Specification for mica for paints (First Revision)	March, 2024	-	Indigenous
23	IS 354 (Part 1):2024	METHODS OF SAMPLING AND TEST FOR RESINS FOR PAINTS PART 1 GENERAL TEST METHODS (Third Revision)		-	Indigenous
24	IS 354 (Part 2):2024	Resins for Paints - Methods of Sampling and Test Part 2 Special Test Methods for Alkyd Resins (Third Revision)		-	Indigenous
25	IS 354 (Part 6):2024	Resin for Paints - Methods of Sampling and Test Part 6 Special Test Methods for Amino Resins (Third Revision)		-	Indigenous
26	IS 354 (Part 7):2024	Resins for Paints - Methods of Sampling and Test Part 7 Special Test Methods for Acrylic and Vinyl Acetate Emulsions (Third Revision)		-	Indigenous
27	IS 354 (Part 4):2024	Resins for paints - Methods of sampling and test Part : 4 special test methods for epoxy resins (Third Revision)		-	Indigenous
28	IS 354 (Part 5):2024	Resins for paints - Methods of sampling and test : Part 5 Special test methods for polyamide resins		-	Indigenous

		(Third Revision)			
29	IS 354 (Part 3):2024	Methods of sampling and test for resins for paints : Part 3 special test methods for phenolic resins (Third Revision)		-	Indigenous
30	IS 356:1991	Ester gum - Specification (Second Revision)	May, 2022	-	Indigenous
31	IS 3574 (Part 1):1965	Specification for organic pigments for paints: Part 1 Azo pigments (toluidine red, chlorinated p-nitroaniline red, arylamide yellow, and para red)	March, 2024	-	Indigenous
32	IS 3574 (Part 2):2000	Organic pigments for paints - Specification: Part 2 phthalocyanines (First Revision)	March, 2021	-	Indigenous
33	IS 40:2021	Carbon black for paints - Specification (Second Revision)		-	Indigenous
34	IS 411:2026	Titanium Dioxide for Pigmentary Applications - Specification (Fifth Revision)		-	Indigenous
35	IS 44:2025	Iron Oxide Pigments for Paints - Specifications (Third revision)		-	Indigenous
36	IS 51:2025	Zinc Chrome Pigments for Paints - Specifications (Fifth Revision)		-	Indigenous
37	IS 54:2025	Green Oxide of Chromium for Paints - Specification (Third Revision)		-	Indigenous
38	IS 55:2025	Ultramarine Blue for Paints - Specification (Second Revision)		-	Indigenous
39	IS 553:1984 Decision taken to Reaffirm and Archive	Specification for rosin (Gum Rosin) (Second Revision)	March, 2024	2	Indigenous
40	IS 56:2025	Prussian Blue (Iron blue) for Paints - Specification (Third Revision)		-	Indigenous
41	IS 62:2006	Graphite for Paints-Specification	March, 2021	-	Indigenous
42	IS 63:2006	Whiting for paint and putty - Specification (Third Revision)	March, 2021	-	Indigenous
43	IS 64:2023	Barium sulphate pigments for paints - Specification (Second Revision)		1	Indigenous
44	IS 642:2024	Varnish Medium for Aluminium Paint - Specification (Second Revision)		-	Indigenous
45	IS 644:2023	Dipentene for paints - Specification (Third Revision)		-	Indigenous
46	IS 66:2024	Hydrated magnesium silicate (Talc) for paints - Specification (Third Revision)		-	Indigenous
47	IS 67:1998 Decision taken to Reaffirm and Archive	Silica for paints - Specification (Second Revision)	March, 2024	-	Indigenous
48	IS 68:2006	China clay (Kaolin) for paints - Specification (Second Revision)	March, 2021	-	Indigenous
49	IS 70:2024	Cuprous Oxide for Paints -		-	Indigenous

		Specification (Second Revision)			
50	IS 74:1979	Methods of sampling and test for drying oils for paints (Second Revision)	May, 2022	-	Indigenous
51	IS 77:1976 Decision taken to Reaffirm and Archive	Specification for linseed oil, boiled, for paints (Second Revision)	March, 2024	-	Indigenous
52	IS 79:2021	Specification for linseed stand oil for paints (Second Revision)		-	Indigenous
53	IS 80:1991	Tung oil for paints - Specification (Second Revision)	May, 2022	-	Indigenous
54	IS 81:1989 Decision taken to Reaffirm and Archive	Dehydrated castor oil for paints - Specification (Second Revision)	March, 2024	-	Indigenous
55	IS 840:2026	Cashewnut Shell Liquid CNSL - Specification		-	Indigenous
56	IS 8766:1978 Decision taken to Reaffirm and Archive	Specification for driers for paints	March, 2024	-	Indigenous
57	IS 8767:2020	Calcium carbonate, precipitated, and activated, for paints - Specification (First Revision)	March, 2025	-	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	CHD 21 (01904) Revision of: IS 642:1963	Varnish medium for aluminium paint
2	CHD 21 (01858) Revision of: IS 50:1980	Lead and Scarlet Chromes
3	CHD 21 (01859) Revision of: IS 8767:2020	Calcium carbonate precipirated and activated for paints
4	CHD 21 (01860) Revision of: IS 3574:1965	Organic Pigments for Paints - Part I AZO Pigments Toluidine Red Chlorinated p- Nitroaniline Red Arylamide Yellows and Para Red
5	CHD 21 (12859) Revision of: IS 1873:2019	Specification for thinner antichill for cellulose nitrate based paints dopes and lacquers for aircrafts
6	CHD 21 (12878) Revision of: IS 1872:2020	THINNER FOR SYNTHETIC PAINTS AND VARNISHES FOR AIRCRAFTS SPECIFICATION First Revision
7	CHD 21 (12879) Revision of: IS 15365:2019	AMINO RESINS FOR PAINTS First revision of IS 15365
8	CHD 21 (13386)	DYESTUFFS DETERMINATION OF SOLUBILITY IN ORGANIC SOLVENTS GRAVIMETRIC AND PHOTOMETRIC METHODS
9	CHD 21 (15074)	PIGMENTS DYESTUFFS AND EXTENDERS TERMINOLOGY GENERAL TERMS
10	CHD 21 (15111) Revision of: IS 35:1975	Specification for zinc oxide for paints Second Revision
11	CHD 21 (15112) Revision of: IS 40:1971	Specification for Carbon black for paints Second Revision
12	CHD 21 (15113) Revision of: IS 289:1963	ALUMINIUM PASTE FOR PAINTS SPECIFICATION Second Revision
13	CHD 21 (15463) Revision of: IS 411:2020	Titanium dioxide anatase for paints - Specification Fourth Revision
14	CHD 21 (16963) Revision of: IS 79:1975	Specification for linseed stand oil for paints
15	CHD 21 (16981) Revision of: IS 11811:1986	Specification for alkyd resin
16	CHD 21 (17010) Revision of: IS 14355:1996	ZINC DUST PIGMENT FOR PAINTS SPECIFICATION
17	CHD 21 (17058) Revision of: IS 14499:1998	STRONTIUM CHROMATE FOR PAINTS-SPECIFICATION
18	CHD 21 (17204)	WATER-SOLUBLE SODIUM CARBOXYMETHYL CELLULOSE FOR PAINTS - SPECIFICATION
19	CHD 21 (17213)	ANALYTICAL COLORIMETRY- PART 1 PRACTICAL COLOUR MEASUREMENT
20	CHD 21 (17979)	Re-Dispersible Polymer Powder-Specification
21	CHD 21 (18349)	Titanium Dioxide Anatase for Paints Specification Fourth Revision Amendment - 1
22	CHD 21 (19428) Revision of: IS 64:1972	BARIUM SULPHATE PIGMENTS FOR PAINTS -SPECIFICATION
23	CHD 21 (19445) Revision of: IS 9788:1981	Titanium dioxide rutile for paints- Specification First Revision
24	CHD 21 (19616) Revision of: IS 644:1992	DIPENTENE FOR PAINTS SPECIFICATION Third Revision
25	CHD 21 (20940) Revision of: IS 354:1987	METHODS OF SAMPLING AND TEST FOR RESINS FOR PAINTS PART 1 GENERAL TEST METHODS Third Revision
26	CHD 21 (20947) Revision of: IS 354:1986	Resins for Paints Methods of Sampling and Test Part 2 Special Test Methods for Alkyd Resins Third Revision
27	CHD 21 (20957) Revision of: IS 354:1986	Methods of sampling and test for resins for paints Part 3 Special test methods for phenolic resins Third Revision
28	CHD 21 (20961) Revision of: IS 354:1986	Methods of Sampling and Test for Resins for Paints Part 4 Special Test Methods for Epoxy Resins Third Revision
29	CHD 21 (20967) Revision of: IS 354:1986	METHODS OF SAMPLING AND TEST FOR RESINS FOR PAINTS PART 5 SPECIAL TEST METHODS FOR POLYAMIDE RESINS Third Revision
30	CHD 21 (20968) Revision of: IS 354:1989	RESINS FOR PAINTS METHODS OF SAMPLING AND TEST PART 6 SPECIAL TEST METHODS FOR AMINO RESINS Third Revision
31	CHD 21 (20971) Revision of: IS 354:1989	Resins for Paints Methods of Sampling and Test Part 7 Special Test Methods for Acrylic and Vinyl Acetate Emulsions Third Revision

32	CHD 21 (21732)	Nanomodified Paints and Coatings Code of Practice
33	CHD 21 (23082) Revision of: IS 66:2006	Hydrated Magnesium Silicate Talc For Paints Specification Third Revision
34	CHD 21 (24171) Revision of: IS 642:1963	VARNISH MEDIUM FOR ALUMINIUM PAINT SPECIFICATION Second Revision
35	CHD 21 (24423) Revision of: IS 70:1980	CUPROUS OXIDE FOR PAINTS SPECIFICATION Second Revision
36	CHD 21 (24561) Revision of: IS 13467:1992	CHLORINATED RUBBER FOR PAINTS SPECIFICATION First Revision
37	CHD 21 (24871) Revision of: IS 44:1991	IRON OXIDE PIGMENTS FOR PAINTS SPECIFICATION Third revision
38	CHD 21 (24898) Revision of: IS 51:1998	ZINC CHROME PIGMENTS FOR PAINTS SPECIFICATION Fifth Revision
39	CHD 21 (24902) Revision of: IS 54:1988	GREEN OXIDE OF CHROMIUM FOR PAINTS SPECIFICATION Third Revision
40	CHD 21 (26606) Revision of: IS 56:1993	Prussian Blue Iron blue for Paints - Specification Third Revision
41	CHD 21 (26607) Revision of: IS 55:1970	Ultramarine Blue for Paints - Specification Second Revision
42	CHD 21 (26609) Revision of: IS 15366:2003	Dolomite for paint - Specification First Revision
43	CHD 21 (28499) Revision of: IS 411:2020	Titanium Dioxide for Pigmentary Applications - Specification Fifth Revision
44	CHD 21 (28522) Revision of: IS 10897:1984	Zinc Phosphate Pigment for Paints - Specification
45	CHD 21 (28644) Revision of: IS 840:1986	Cashewnut Shell Liquid CNSL - Specification
46	CHD 21 (32885)	Amino resins for paints Second Revision
47	CHD 21 (33089)	Methods of sampling and test for thinners and solvents for paints Second Revision
48	CHD 21 (34064)	Barium sulphate pigments for paints - Specification Second Revision - Amendment 1
49	CHD 21 (34065)	Epoxy resin for paints and Coatings - Specification First Revision
50	CHD 21 (35188)	Varnish Medium for Aluminium Paint - Specification Second Revision

Total Published Standards:56 Total Standards Under development:50

Aspect Wise Report

Product : 42
Code of Practices : 1
Methods of Test : 12
Terminology : 1
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 13966:1994	Sodium carboxymethyl cellulose for use in oil industry - Specification
2	IS 15365:2019 87.060.20	Amino resins for paints First Revision
3	IS 3520:1992	Water-soluble sodium carboxymethyl cellulose - Specification Second Revision

4	IS 38:1976	Specification for antimony oxide for paints First Revision
5	IS 50:1980	Withdrawl
6	IS 58:1976	Withdrawl
7	IS 82:1973	Methods of sampling and test for thinners and solvents for paints First Revision
8	IS 9788:2023	Titanium dioxide rutile for paints- Specification First Revision

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10897:2026	Zinc Phosphate Pigment for Paints - Specification
2	IS 11811:2021 ISO 27269:2021	Specification for alkyd resin First Revision
3	IS 13467:2024	Chlorinated Rubber for Paints - Specification First Revision
4	IS 14355:2022 ISO 17450-3:2016	Zinc dust pigment for paints - Specification First Revision
5	IS 14499:2021 ISO 20140-5 : 2017	Strontium chromate for paints - Specification First Revision
6	IS 14925:2026	Epoxy resin for paints and Coatings - Specification First Revision
7	IS 15366:2026	Dolomite for paint - Specification First Revision
8	IS 17727:2021 8096:2005	Water-soluble sodium carboxymethyl cellulose for paints - Specification
9	IS 1872:2020	Thinner for synthetic paints and varnishes for aircrafts - Specification First Revision
10	IS 1873:2019 Decision taken to Reaffirm and Archive	Antichill thinner for cellulose nitrate based paints dopes and lacquers for aircrafts - Specification First Revision
11	IS 19003:2022 ISO/TR 4421:2023	Re-dispersible polymer powder - Specification
12	IS 289:2021	Aluminium paste for paints - Specification Second Revision
13	IS 35:2021 iso 26262-4:2018	Zinc oxide for paints - Specification Second Revision
14	IS 3526:1981 Decision taken to Reaffirm and Archive	Specification for barium chromate for paints First Revision
15	IS 3527:1972 Decision taken to Reaffirm and Archive	Specification for mica for paints First Revision
16	IS 356:1991	Ester gum - Specification Second Revision
17	IS 3574 (Part 1):1965	Specification for organic pigments for paints Part 1 Azo pigments toluidine red chlorinated p-nitroaniline red arylamide yellow and para red
18	IS 3574 (Part 2):2000	Organic pigments for paints - Specification Part 2 phthalocyanines First Revision
19	IS 40:2021	Carbon black for paints - Specification Second Revision

	ISO/IEC 19086 - 3 : 2017	
20	IS 411:2026	Titanium Dioxide for Pigmentary Applications - Specification Fifth Revision
21	IS 44:2025	Iron Oxide Pigments for Paints - Specifications Third revision
22	IS 51:2025	Zinc Chrome Pigments for Paints - Specifications Fifth Revision
23	IS 54:2025	Green Oxide of Chromium for Paints - Specification Third Revision
24	IS 55:2025	Ultramarine Blue for Paints - Specification Second Revision
25	IS 553:1984 Decision taken to Reaffirm and Archive	Specification for rosin Gum Rosin Second Revision
26	IS 56:2025	Prussian Blue Iron blue for Paints - Specification Third Revision
27	IS 62:2006	Graphite for Paints-Specification
28	IS 63:2006	Whiting for paint and putty - Specification Third Revision
29	IS 64:2023	Barium sulphate pigments for paints - Specification Second Revision
30	IS 642:2024	Varnish Medium for Aluminium Paint - Specification Second Revision
31	IS 644:2023	Dipentene for paints - Specification Third Revision
32	IS 66:2024	Hydrated magnesium silicate Talc for paints - Specification Third Revision
33	IS 67:1998 Decision taken to Reaffirm and Archive	Silica for paints - Specification Second Revision
34	IS 68:2006	China clay Kaolin for paints - Specification Second Revision
35	IS 70:2024	Cuprous Oxide for Paints - Specification Second Revision
36	IS 77:1976 Decision taken to Reaffirm and Archive	Specification for linseed oil boiled for paints Second Revision
37	IS 79:2021	Specification for linseed stand oil for paints Second Revision
38	IS 80:1991	Tung oil for paints - Specification Second Revision
39	IS 81:1989 Decision taken to Reaffirm and Archive	Dehydrated castor oil for paints - Specification Second Revision
40	IS 840:2026	Cashewnut Shell Liquid CNSL - Specification
41	IS 8766:1978 Decision taken to Reaffirm and Archive	Specification for driers for paints
42	IS 8767:2020	Calcium carbonate precipitated and activated for paints - Specification First Revision