

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MTD 24 : Corrosion Protection and Finishes Sectional Committee

**Scope:** Standardization in the field of corrosion, passivation and protection of metals, metal products in different applications, characteristics of protective and decorative metallic coatings, anodic oxide coatings, applied by electrolysis, hot dipping, thermal spraying, chemical means their testing and inspection methods

**Liaison:** **ISO TC-107 (P):** *Metallic and other inorganic coatings* **ISO TC-107 SC-3 (O):** *Electrodeposited coatings and related finishes* **ISO TC-107 SC-4 (O):** *Hot dip coatings (galvanized, etc.)* **ISO TC-107 SC-7 (O):** *Corrosion tests* **ISO TC-107 SC-8 (O):** *Chemical conversion coatings* **ISO TC-107 SC-9 (P):** *Physical vapor deposition coatings* **ISO TC-156 (P):** *Corrosion of metals and alloys* **ISO TC-156 SC-1 (O):** *Corrosion control engineering life cycle* **ISO TC-79 SC-2 (P):** *Organic and anodic oxidation coatings on aluminium*

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10117 : 2000 <i>Reviewed In : 2021</i>	Code of practice for passivation of stainless steel articles, industrial equipments and components including pipelines (First Revision)	March, 2021	-	Indigenous
2	IS 10173 : 1982 <i>Reviewed In : 2021</i>	Recommended practice for preparation of zinc alloy die castings for electroplating	March, 2021	-	Indigenous
3	IS 10209 : 1982 <i>Reviewed In : 2021</i>	Specification for electroplated coatings of Tin - Lead alloys (Solder)	March, 2021	-	Indigenous
4	IS 10221 : 2008 <i>Reviewed In : 2021</i>	Coating and wrapping of underground mild steel pipelines - Code of practice (First Revision)	March, 2021	-	Indigenous
5	IS 10461 (Part 1) : 1994 <i>Reviewed In : 2021</i> ISO 3651	Resistance to inter - Granular corrosion of austenitic stainless steels - Method for determination - Part 1 : corrosion test in nitric acid medium by measurement of loss in mass (Huey Test) (First Revision)	March, 2021	-	Not Equivalent
6	IS 10461 (Part 2) : 1994 <i>Reviewed In : 2021</i> ISO 3651	Resistance to intergranular corrosion of austenitic stainless steels - Method for determination: Part 2 corrosion test in a sulphuric acid/copper sulphate medium in the presence of copper turnings (Monypenny Strauss Test) in the presence of copper turnings (Monypenny Strauss Test) (First	March, 2021	-	Not Equivalent

		Revision)			
7	IS 10471 : 1983 Reviewed In : 2023	Recommended practice for corrosion prevention in electronic component and assemblies	November, 2023	-	Indigenous
8	IS 10493 : 1983 Reviewed In : 2023	Method for corrosion protection tests for temporary corrosion preventives	November, 2023	-	Indigenous
9	IS 1067 : 1981 Reviewed In : 2021	Specification for electroplated coatings of silver for decorative and protective purposes (Second Revision)	March, 2021	-	Indigenous
10	IS 1068 : 1993 Reviewed In : 2021 ISO 1456	Electroplated coatings of nickel plus chromium and copper plus nickel plus chromium - Specification (Third Revision)	March, 2021	1	Not Equivalent
11	IS 11232 : 1985 Reviewed In : 2023	Specification for chromate conversion coatings on aluminium	November, 2023	-	Indigenous
12	IS 11268 : 1985 Reviewed In : 2021 ISO 2143	Estimation of loss of absorptive power of anodic oxide coatings after sealing - Dye spot test with prior acid treatment for anodized aluminium and its alloys	March, 2021	-	Not Equivalent
13	IS 11579 : 1986 Reviewed In : 2023	Recommended practice for chromate treatments of aluminium	November, 2023	-	Indigenous
14	IS 11598 (Part 1) : 1986 Reviewed In : 2023	Code of practice for corrosion protection in fertilizer plants: Part 1 phosphoric acid plant	November, 2023	-	Indigenous
15	IS 11759 : 1986 Reviewed In : 2021	Code of practice for repair of damaged hot-dip galvanized coatings	March, 2021	-	Indigenous
16	IS 11812 : 1986 Reviewed In : 2021	Recommended practice for safeguarding against warpage and distortion of hot dip galvanized articles	March, 2021	-	Indigenous
17	IS 11826 : 1986 Reviewed In : 2021	Recommended practice for chemical colouring for engineering components in general and for bicycle components	March, 2021	-	Indigenous
18	IS 11857 : 1986 Reviewed In : 2021	Specification for anodized wrought aluminium for external architectural applications	March, 2021	-	Indigenous
19	IS 11864 : 1986 Reviewed In : 2021	Recommended construction practice of apparatus for spray cabinet for various salt spray tests	March, 2021	-	Indigenous
20	IS 12393 : 1988 Reviewed In : 2021 ISO 1456	Specification for electroplated coatings of nickel	March, 2021	-	Not Equivalent
21	IS 12560 : 1988 Reviewed In : 2021	Code of practice for cathodic protection of heat exchangers and condensers	March, 2021	-	Indigenous
22	IS 12643 : 1989 Reviewed In : 2021	Corrosion protection of steel by fibreglass reinforced polyester lining - Code of practice	March, 2021	-	Indigenous
23	IS 12753 : 1989 Reviewed In : 2021	Electroplated coatings on round steel wire - Specification	March, 2021	-	Indigenous
24	IS 13147 : 1991 Reviewed In : 2021	Black oxide coating on stainless steel parts - Specification	March, 2021	-	Indigenous
25	IS 13177 : 1991 Reviewed In : 2021	Passivation of stainless steel parts - Specification	March, 2021	-	Indigenous

26	IS 13212 : 1991 Reviewed In : 2021	Black oxide coating for iron and steel parts - Specification	March, 2021	-	Indigenous
27	IS 1327 : 1988 Reviewed In : 2021	Methods of determination of mass of tin coating on tinplate (Third Revision)	March, 2021	-	Indigenous
28	IS 1337 : 1993 Reviewed In : 2021	Electroplated coatings of hard chromium for engineering purposes (Third Revision)	March, 2021	1	Indigenous
29	IS 1340 : 1977 Reviewed In : 2021	Code of practice for chromate conversion coating on zinc and cadmium coated articles and zinc base alloys (First Revision)	March, 2021	-	Indigenous
30	IS 13515 : 1992 Reviewed In : 2023	Rust converters - Specification	November, 2023	-	Indigenous
31	IS 1359 : 1992 Reviewed In : 2021 ISO 2093	Electroplated coatings of tin - Specification (Third Revision)	March, 2021	-	Not Equivalent
32	IS 13647 : 1993 Reviewed In : 2021	Electroplated coatings of rhodium for engineering purposes - Specification	March, 2021	-	Indigenous
33	IS 13677 : 1993 Reviewed In : 2021 ISO 4527	Electroless nickel - Phosphorus coatings - Specification	March, 2021	-	Not Equivalent
34	IS 1378 : 1987 Reviewed In : 2021	Specification for oxidized - Copper finishes (Third Revision)	March, 2021	-	Indigenous
35	IS 14126 : 2019 ISO 2177: 2003 Reviewed In : 2024 ISO 2177:2003	Metallic coatings - Measurement of coating thickness - Coulometric method by anodic dissolution (First Revision)	February, 2024	-	Identical under dual numbering
36	IS 14149 : 2008 ISO 3543:1981 Reviewed In : 2021 ISO 3543:2000	Metallic and non - Metallic coating - Measurement of thickness - Beta backscatter method (First Revision)	March, 2021	-	Identical under dual numbering
37	IS 14191 : 2024 ISO 9223 : 2012 ISO 9223 : 2012	Corrosion of Metals and Alloys " Corrosivity of Atmospheres " Classification, Determination and Estimation (First Revision)		-	Identical under dual numbering
38	IS 14297 : 2024 ISO 9226 : 2012 ISO 9226 : 2012	Corrosion of Metals and Alloys " Corrosivity of Atmospheres " Determination of Corrosion Rate of Standard Specimens for the Evaluation of Corrosivity (First Revision)		-	Identical under dual numbering
39	IS 14321 : 2024 ISO 9224 : 2012 ISO 9224 : 2012	Corrosion of Metals and Alloys " Corrosivity of Atmospheres " Guiding Values for the Corrosivity Categories (First Revision)		-	Identical under dual numbering
40	IS 14321 : 1995 Reviewed In : 2021 ISO 9224 : 2012	Corrosion of metals and alloys - Recommended values for the corrosivity categories of atmospheres	March, 2021	-	Identical under dual numbering
41	IS 14322 : 2024 ISO 9225 : 2012 ISO 9225 : 2012	Corrosion of metals and alloys - Corrosivity of atmospheres - Measurement of environmental parameters affecting corrosivity of atmospheres (First Revision)		-	Identical under dual numbering
42	IS 14503 : 1998 Reviewed In : 2021	Testing of phosphate coatings methods	March, 2021	-	Indigenous

43	IS 15337 : 2003 Reviewed In : 2023	Coal tar based anticorrosion tape for protection of underground mild steel pipelines - Specification	November, 2023	1	Indigenous
44	IS 15659 (Part 1) : 2006 Reviewed In : 2021 ISO 21809-1	Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation of gas and liquid hydrocarbons: Part 1 polyolefin coatings (3 Layer PE And 3 Layer PP)	March, 2021	-	Not Equivalent
45	IS 15659 (Part 2) : 2006 Reviewed In : 2021 ISO 21809-2	Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation of gas and liquid hydrocarbons: Part 2 fusion bonded epoxy coatings	March, 2021	-	Not Equivalent
46	IS 1572 : 1986 Reviewed In : 2021 ISO 2082	Specification for electroplated coatings of cadmium on iron and steel (Second Revision)	March, 2021	1	Not Equivalent
47	IS 1573 : 1986 Reviewed In : 2021 ISO 19598	Specification for electroplated coatings of zinc on iron and steel (Second Revision)	March, 2021	-	Not Equivalent
48	IS 16854 : 2018 Reviewed In : 2023	Single pack zinc rich coating for cold application - Specification	September, 2023	-	Indigenous
49	IS 17175 : 2020 ISO 16573 : 2015 ISO 16573:2015	Steel " Measurement Method for the Evaluation of Hydrogen Embrittlement Resistance of High Strength Steels		-	Identical under dual numbering
50	IS 1771 : 1986 Reviewed In : 2021	Specification for electroplated coatings of silver and silver alloys for general engineering purposes (Second Revision)	March, 2021	-	Indigenous
51	IS 1772 : 2024	ELECTROPLATED COATINGS OF COPPER - SPECIFICATION		-	Indigenous
52	IS 1773 : 1982 Reviewed In : 2021	Specification for electroplated coatings of brass (First Revision)	March, 2021	1	Indigenous
53	IS 18435 (Part 11) : 2023 ISO 7539-11 : 2013 ISO 7539-11 : 2013	Corrosion of metals and alloys Stress corrosion testing Part 11: Guidelines for testing the resistance of metals and alloys to hydrogen embrittlement and hydrogen-assisted cracking 1/2 Guidelines		-	Identical under dual numbering
54	IS 18436 : 2023 ISO 9588 : 2007 ISO 9588 : 2007	Metallic and other inorganic coatings Post-coating treatments of iron or steel to reduce the risk of hydrogen embrittlement		-	Identical under dual numbering
55	IS 18437 : 2023 ISO 15324 ISO 15324	Corrosion of metals and alloys Evaluation of stress corrosion cracking by the drop evaporation test		-	Identical under dual numbering
56	IS 18438 : 2023 ISO 18069:2015 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		-	Identical under dual numbering
57	IS 18463 : 2023 ISO 9587	Metallic and other inorganic coatings Pretreatment of iron or		-	Identical under dual numbering

	ISO 9587 : 2007	steel to reduce the risk of hydrogen embrittlement			
58	IS 18649 : 2024 ISO 11130 : 2017 ISO 11130 : 2017	Corrosion of metals and alloys Alternate immersion test in salt solution		-	Identical under dual numbering
59	IS 18650 : 2024 ISO 26146 : 2012 ISO 26146 : 2012	Corrosion of Metals and Alloys $i_c/2$ Method for Metallographic Examination of Samples After Exposure to High-Temperature Corrosive Environments		-	Identical under dual numbering
60	IS 1868 : 1996 Reviewed In : 2021 ISO 10074, 7599	Anodic coatings on aluminium and its alloys - Specification (Third Revision)	March, 2021	-	Not Equivalent
61	IS 1958 : 1989 Reviewed In : 2021	Nickel anodes for electroplating - Specification (Second Revision)	March, 2021	1	Indigenous
62	IS 1959 : 1994 Reviewed In : 2021	Silver anodes for electroplating - Specification (Second Revision)	March, 2021	-	Indigenous
63	IS 1985 (Part 1) : 1980 Reviewed In : 2021	Recommended practice for preparation of iron and steel for electroplating: Part 1 high carbon steel (First Revision)	March, 2021	-	Indigenous
64	IS 1985 (Part 2) : 1980 Reviewed In : 2021	Recommended practice for preparation of iron and steel for electroplating: Part 2 low carbon steel (First Revision)	March, 2021	-	Indigenous
65	IS 1985 (Part 3) : 1980 Reviewed In : 2021	Recommended practice for preparation of iron and steel for electroplating: Part 3 iron castings (First Revision)	March, 2021	-	Indigenous
66	IS 1986 : 1981 Reviewed In : 2021	Code of practice for hard chromium plating on iron and steel (For General Engineering Purposes) (First Revision)	March, 2021	-	Indigenous
67	IS 1992 : 1979 Reviewed In : 2021 ISO 7587	Specification for electroplated coatings of lead (First Revision)	March, 2021	1	Not Equivalent
68	IS 2384 : 2023	TIN ANODES FOR ELECTROPLATING $i_c/2$ SPECIFICATION		-	Indigenous
69	IS 2384 : 1963 Reviewed In : 2021	Specification for tin anodes for electroplating	March, 2021	1	Indigenous
70	IS 2450 : 2024	Electroplating on Aluminium and its Alloys $i_c/2$ Recommended Practice		-	Indigenous
71	IS 2601 : 1987 Reviewed In : 2021	Specification for brass anodes for electroplating (First Revision)	March, 2021	-	Indigenous
72	IS 2606 : 1987 Reviewed In : 2021	Specification for alloy lead anodes for chromium plating (Second Revision)	March, 2021	-	Indigenous
73	IS 2629 : 1985 Reviewed In : 2021	Recommended practice for hot-dip galvanizing of iron and steel (First Revision)	March, 2021	3	Indigenous
74	IS 2633 : 1986 Reviewed In : 2021	Method for testing uniformity of coating on zinc coated articles (Second Revision)	March, 2021	-	Indigenous
75	IS 2679 : 1964 Reviewed In : 2021	Recommendations for equipment for electroplating	March, 2021	-	Indigenous
76	IS 3194 : 1980 Reviewed In : 2021	Recommended practice for cleaning metals prior to	March, 2021	-	Indigenous

		electroplating (First Revision)			
77	IS 3203 : 1982 Reviewed In : 2021	Methods of testing local thickness of electroplated coatings (First Revision)	March, 2021	1	Indigenous
78	IS 3266 : 1982 Reviewed In : 2021	Specification for - Electroplated coatings of gold for general engineering purpose (First Revision)	March, 2021	-	Indigenous
79	IS 3531 : 2024 ISO 8044 : 2020 ISO 8044 : 2020	Corrosion of metals and alloys $\ddot{u}_l^{1/2}$ Vocabulary		-	Identical under dual numbering
80	IS 3554 : 2017 Reviewed In : 2023	Glossary of terms relating to electroplating (First Revision)	March, 2023	-	Indigenous
81	IS 3618 : 1966 Reviewed In : 2021	Specification for phosphate treatment of iron and steel for protection against corrosion	March, 2021	-	Indigenous
82	IS 3655 : 1985 Reviewed In : 2021	Recommended practice for electroplating (First Revision)	March, 2021	-	Indigenous
83	IS 3656 : 2023	Mechanical Polishing of Metals for Electroplating ? Code of Practice		-	Indigenous
84	IS 3821 : 1973 Reviewed In : 2021	Method for determination of mass of aluminium coating on hot-dip aluminized iron or steel articles	March, 2021	-	Indigenous
85	IS 4180 : 1967 Reviewed In : 2021	Code of practice for corrosion protection of light gauge steel sections used in building	March, 2021	1	Indigenous
86	IS 4252 : 1982 Reviewed In : 2021 ISO 4524	Specification for electroplated coatings of gold for decorative purposes (First Revision)	March, 2021	-	Not Equivalent
87	IS 4736 : 1986 Reviewed In : 2021	Specification for hot - Dip zinc coatings on mild steel tubes (Fist Revision)	March, 2021	4	Indigenous
88	IS 4759 : 1996 Reviewed In : 2021	Hot - Dip zinc coatings on structural steel and other allied products - Specification (Third Revision)	March, 2021	1	Indigenous
89	IS 4777 : 1968 Reviewed In : 2021	Performance tests for protective schemes used in protection of light gauge steel against corrosion	March, 2021	-	Indigenous
90	IS 4826 : 2023	Hot-Dip Galvanized Coatings on Round Steel Wires $\ddot{u}_l^{1/2}$ Requirements		-	Indigenous
91	IS 5523 : 1983 Reviewed In : 2021 ISO 2931	Methods of testing anodic coatings on aluminium and its alloys (First Revision)	March, 2021	1	Not Equivalent
92	IS 5528 : 1985 Reviewed In : 2021 ISO 9227 : 2022	Method of testing corrosion resistance of electroplated and anodized aluminium coating by copper accelerated acetic acid salt spray (CASS) test (First Revision)	March, 2021	-	Identical under dual numbering
93	IS 5528 : 2024 ISO 9227 : 2022 ISO 9227 : 2022	Corrosion Tests in Artificial Atmospheres $\ddot{u}_l^{1/2}$ Salt Spray Tests (second revision)		-	Identical under dual numbering
94	IS 5555 : 1970 Reviewed In : 2021	Code of procedure for conducting field studies on atmospheric corrosion of metals	March, 2021	1	Indigenous
95	IS 5905 : 1989 Reviewed In : 2021	Sprayed aluminium and zinc coatings on iron and steel -	March, 2021	-	Indigenous

		Specification (First Revision)			
96	IS 5925 : 1970 Reviewed In : 2021	Recommended practice silver plating for general engineering purposes	March, 2021	-	Indigenous
97	IS 6005 : 1998 Reviewed In : 2021	Code of practice for phosphate coatings of iron and steel (First Revision)	March, 2021	-	Indigenous
98	IS 6009 : 2024	Evaluation of Results of Accelerated Corrosion Test i <sub>c</sub> ½ Method		-	Indigenous
99	IS 6012 : 1992 Reviewed In : 2021 ISO 2360	Measurement of coating thickness by eddy current method (First Revision)	March, 2021	-	Not Equivalent
100	IS 6057 : 1988 Reviewed In : 2021	Specification for hard anodic coatings on aluminium and aluminium alloys (First Revision)	March, 2021	-	Indigenous
101	IS 6158 : 1984 Reviewed In : 2021	Recommended practice for safeguarding against embrittlement of hot - Dip galvanized iron and steel products (First Revision)	March, 2021	1	Indigenous
102	IS 6159 : 1998 Reviewed In : 2021	Recommended practice for design and fabrication of iron and steel products prior to galvanizing and metal spraying (Second Revision)	March, 2021	-	Indigenous
103	IS 6243 : 1985 Reviewed In : 2022	Method of hydrogen embrittlement test for copper (First Revision)	March, 2022	-	Indigenous
104	IS 6586 : 1989 Reviewed In : 2021	Metal spraying for protection of iron and steel - Recommended practice (First Revision)	March, 2021	-	Indigenous
105	IS 6651 : 1972 Reviewed In : 2021	Specification for anodized aluminium for automobile use	March, 2021	-	Indigenous
106	IS 6697 : 1988 Reviewed In : 2021	Hot - Dip aluminium coatings on ferrous parts (Other Than Sheet, Strip And Wire) for general purposes - Specification (First Revision)	March, 2021	-	Indigenous
107	IS 6745 : 1972 Reviewed In : 2021	Methods for determination of mass of zinc coating on zinc coated iron and steel articles	March, 2021	5	Indigenous
108	IS 6910 : 1985 Reviewed In : 2021	Method of testing corrosion resistance of electroplated and anodized aluminium coatings by acetic acid salt spray test (First Revision)	March, 2021	1	Indigenous
109	IS 7088 : 1973 Reviewed In : 2021	Recommended practice for anodizing aluminium and its alloys	March, 2021	-	Indigenous
110	IS 7808 : 1975 Reviewed In : 2023	Code of procedure for conducting studies on underground corrosion of metals	November, 2023	-	Indigenous
111	IS 8038 : 1985 Reviewed In : 2021 ISO 4541	Method of testing corrosion resistance of metallic and other non-organic coatings by corrodokote test (First Revision)	March, 2021	-	Not Equivalent
112	IS 8062 (Part 2) : 2006 Reviewed In : 2023 ISO 15589	Cathodic protection of buried pipeline/ structure for transportation of natural gas, oil and liquids - Code of practice (First Revision)	November, 2023	-	Not Equivalent
113	IS 8062 (Part 3) :	Code of practice for cathodic	November, 2023	-	Not Equivalent

	1977 Reviewed In : 2023 ISO 15589	protection of steel structure Part 3 Ship's hull			
114	IS 8062 (Part 4) : 1979 Reviewed In : 2023 ISO 15589	Code of practice for cathodic protection of steel structures: Part 4 Galvanic protection of dockgates, caissons, piers and jetties	November, 2023	-	Not Equivalent
115	IS 8221 : 1976 Reviewed In : 2023	Code of practice for corrosion prevention of metals and metal components in packages	November, 2023	-	Indigenous
116	IS 8375 : 1977 Reviewed In : 2021	Method for checking continuity of anodized coatings	March, 2021	-	Indigenous
117	IS 8376 : 1988 Reviewed In : 2021	Specification for electroplated coatings of nickel plus chromium on plastics for decorative purposes (First Revision)	March, 2021	-	Indigenous
118	IS 8435 : 1977 Reviewed In : 2021	Methods for measurement of thickness of metallic coatings on plastics	March, 2021	-	Indigenous
119	IS 8436 : 1989 Reviewed In : 2021	Thermal cycling test for evaluation of electroplated plastics - Method (First Revision)	March, 2021	-	Indigenous
120	IS 8508 : 1988 Reviewed In : 2021	Code of practice for hot-dip aluminizing of iron and steel (First Revision)	March, 2021	-	Indigenous
121	IS 8554 : 1977 Reviewed In : 2021 ISO 2376 : 2019	Method of checking insulation of anodized coating by measurement of break down potential	March, 2021	1	Identical under dual numbering
122	IS 8554 : 2024 ISO 2376 : 2019 ISO 2376 : 2019	Anodizing of Aluminium and Its Alloys " Determination of Breakdown Voltage and Withstand Voltage (First Revision)		-	Identical under dual numbering
123	IS 8602 : 1977 Reviewed In : 2021	Methods of tests for chromate conversion coatings on zinc and cadmium surfaces	March, 2021	-	Indigenous
124	IS 8629 (Part 13) : 1977 Reviewed In : 2021	Code of practice for protection of iron and steel structures from atmospheric corrosion	March, 2021	1	Indigenous
125	IS 9077 : 1979 Reviewed In : 2023	Code of practice for corrosion protection of steel reinforcement in RB and RCC construction	November, 2023	-	Indigenous
126	IS 9172 : 1979 Reviewed In : 2021	Recommended design practice for corrosion prevention of steel structures	March, 2021	-	Indigenous
127	IS 9530 : 1980 Reviewed In : 2021	Method of testing microhardness of electroplated coatings	March, 2021	-	Indigenous
128	IS 9531 : 1989 Reviewed In : 2021	Preparation of copper and copper - Base alloys for electroplating recommended practice (First Revision)	March, 2021	-	Indigenous
129	IS 9838 : 1981 Reviewed In : 2021	Method for determination of coating mass per unit area of conversion coatings on metallic materials by gravimetric method	March, 2021	-	Indigenous
130	IS 9839 : 1981 Reviewed In : 2021	Specification for chromate conversion coatings on electroplated zinc and cadmium coatings	March, 2021	-	Indigenous
131	IS 9844 : 1981	Methods of testing corrosion	March, 2021	-	Indigenous



Reviewed In : 2021	resistance of electroplated and anodized aluminium coatings by neutral salt spray test		
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### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
1	MTD 24 (23781) Revision of: IS 6012:1992	Non-conductive coatings on non-magnetic electrically conductive base metals Measurement of coating thickness Amplitude-sensitive eddy-current method

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	MTD 24 (25073) Revision of: IS 9839:1981	Chromate conversion coating on zinc and cadmium coated articles and zinc base alloys - Specification
2	MTD 24 (25798) Revision of: IS 2629:1985	Code of Practice for Process Design Testing and Application of Hot Dip Galvanizing of Iron and Steel - Part 1 Batch Process

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MTD 24 (25739) Revision of: IS 3266:1982	Metallic and Other Inorganic Coatings Electrodeposited Gold and Gold Alloy Coatings for Electrical Electronic and Engineering Purposes Specification and Test Methods
2	MTD 24 (25769) Revision of: IS 8602:1977	Metallic and Other Inorganic Coatings Chromate Conversion Coatings On Zinc Cadmium Aluminium-Zinc Alloys and Zinc-Aluminium Alloys Test Methods

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MTD 24 (21005) Revision of: IS 8602:1977	Specification for anodized aluminium for automobile use First Revision
2	MTD 24 (21008) Revision of: IS 8602:1977	SPECIFICATION FOR ELECTROPLATED COATING OF SILVER FOR DECORATIVE AND PROTECTIVE PURPOSES
3	MTD 24 (21011) Revision of: IS 8602:1977	Metals and alloys Atmospheric corrosion testing General requirements
4	MTD 24 (21013) Revision of: IS 8602:1977	Recommended practice silver plating for for general engineering purposes First Revision
5	MTD 24 (25740) Revision of: IS 8602:1977	Metallic and Other Inorganic Coatings Electrodeposited Coatings of Nickel Nickel Plus Chromium Copper Plus Nickel and of Copper Plus Nickel Plus Chromium
6	MTD 24 (25741) Revision of: IS 8602:1977	Anodizing of aluminium and its alloys Estimation of loss of absorptive power of anodic oxidation coatings after sealing Dye-spot test with prior acid treatment

#### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MTD 24 (22071)	COLD APPLIED POLYETHYLENE POLYOLEFIN TAPE COATING FOR STEEL WATER PIPELINES - SPECIFICATION
2	MTD 24 (23780)	Corrosion of metals and alloys Guidelines for the evaluation of pitting corrosion
3	MTD 24 (25688)	ELECTROPLATED COATINGS OF COPPER - SPECIFICATION Amendment - 1

### Aspect Wise Report

Product : 42  
 Code of Practices : 54  
 Methods of Test : 28  
 Terminology : 2  
 Dimensions : 0  
 System Standard : 0  
 Safety Standard : 0  
 Others : 0  
 Service Specification : 0  
 Process Specification : 1  
 Unclassified : 0

#### Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 2983 : 1971	Recommended practice for hot tinning of brassware
2	IS 429 : 1954	Methods for testing weight and uniformity of coatings on galvanized iron and steel wires and steel sheets
3	IS 4827 : 1983	Electroplated coatings of nickel and chromium on copper and copper alloys
4	IS 4828 : 1983	Specification for ventilator chains
5	IS 4942 : 1983	Electroplated coatings of nickel and chromium on aluminium and aluminium alloys
6	IS 511 : 1962	Tamarind kernel powder for using of weight thickness and uniformity of coating on galvanised articles other than wires and sheets
7	IS 5243 : 1969	Tin Coated Finish For Cooking Utensils
8	IS 5274 : 1969	Recommended practice for hot dip tinning of plain carbon steels
9	IS 5358 : 1969	Hot Dip Galvanized Coatings On Fasteners
10	IS 728 : 1956	Methods for determining of weight thickness and uniformity of coating on galvanised articles other than wires and sheets
11	IS 8062 (Part 1) : 1976 Reviewed In : 2010	Code of practice for cathodic protection of steel structures Part 1 Genral Principles

#### Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10209 : 1982 Reviewed In : 2021	Specification for electroplated coatings of Tin - Lead alloys Solder
2	IS 1067 : 1981 Reviewed In : 2021	Specification for electroplated coatings of silver for decorative and protective purposes Second Revision
3	IS 1068 : 1993 Reviewed In : 2021 ISO 1456	Electroplated coatings of nickel plus chromium and copper plus nickel plus chromium - Specification Third Revision
4	IS 11232 : 1985 Reviewed In : 2023	Specification for chromate conversion coatings on aluminium
5	IS 11857 : 1986 Reviewed In : 2021	Specification for anodized wrought aluminium for external architectural applications
6	IS 12393 : 1988 Reviewed In : 2021 ISO 1456	Specification for electroplated coatings of nickel

7	IS 12753 : 1989 Reviewed In : 2021	Electrogalvanized coatings on round steel wire - Specification
8	IS 13147 : 1991 Reviewed In : 2021	Black oxide coating on stainless steel parts - Specification
9	IS 13212 : 1991 Reviewed In : 2021	Black oxide coating for iron and steel parts - Specification
10	IS 1337 : 1993 Reviewed In : 2021	Electroplated coatings of hard chromium for engineering purposes Third Revision
11	IS 13515 : 1992 Reviewed In : 2023	Rust converters - Specification
12	IS 1359 : 1992 Reviewed In : 2021 ISO 2093	Electroplated coatings of tin - Specification Third Revision
13	IS 13647 : 1993 Reviewed In : 2021	Electroplated coatings of rhodium for engineering purposes - Specification
14	IS 13677 : 1993 Reviewed In : 2021 ISO 4527	Electroless nickel - Phosphorus coatings - Specification
15	IS 1378 : 1987 Reviewed In : 2021	Specification for oxidized - Copper finishes Third Revision
16	IS 15337 : 2003 Reviewed In : 2023	Coal tar based anticorrosion tape for protection of underground mild steel pipelines - Specification
17	IS 15659 (Part 1) : 2006 Reviewed In : 2021 ISO 21809-1	Petroleum and natural gas industries - External coatings for burried or submerged pipelines used in pipeline transportation of gas and liquid hydrocarbons Part 1 polyolefin coatings 3 Layer PE And 3 Layer PP
18	IS 15659 (Part 2) : 2006 Reviewed In : 2021 ISO 21809-2	Petroleum and natural gas industries - External coatings for burried or submerged pipelines used in pipeline transportation of gas and liquid hydrocarbons Part 2 fusion bonded epoxy coatings
19	IS 1572 : 1986 Reviewed In : 2021 ISO 2082	Specification for electroplated coatings of cadmium on iron and steel Second Revision
20	IS 1573 : 1986 Reviewed In : 2021 ISO 19598	Specification for electroplated coatings of zinc on iron and steel Second Revision
21	IS 16854 : 2018 Reviewed In : 2023	Single pack zinc rich coating for cold application - Specification
22	IS 1771 : 1986 Reviewed In : 2021	Specification for electroplated coatings of silver and silver alloys for general engineering purposes Second Revision
23	IS 1772 : 2024	ELECTROPLATED COATINGS OF COPPER - SPECIFICATION
24	IS 1773 : 1982 Reviewed In : 2021	Specification for electroplated coatings of brass First Revision
25	IS 1868 : 1996 Reviewed In : 2021 ISO 10074, 7599	Anodic coatings on aluminium and its alloys - Specification Third Revision
26	IS 1958 : 1989 Reviewed In : 2021	Nickel anodes for electroplating - Specification Second Revision
27	IS 1959 : 1994 Reviewed In : 2021	Silver anodes for electroplating - Specification Second Revision
28	IS 1985 (Part 3) : 1980 Reviewed In : 2021	Recommended practice for preparation of iron and steel for electroplating Part 3 iron castings First Revision
29	IS 1992 : 1979 Reviewed In : 2021 ISO 7587	Specification for electroplated coatings of lead First Revision
30	IS 2384 : 2023	TIN ANODES FOR ELECTROPLATING SPECIFICATION
31	IS 2601 : 1987 Reviewed In : 2021	Specification for brass anodes for electroplating First Revision

32	IS 2606 : 1987 Reviewed In : 2021	Specification for alloy lead anodes for chromium plating Second Revision
33	IS 3266 : 1982 Reviewed In : 2021	Specification for - Electroplated coatings of gold for general engineering purpose First Revision
34	IS 4252 : 1982 Reviewed In : 2021 ISO 4524	Specification for electroplated coatings of gold for decorative purposes First Revision
35	IS 4736 : 1986 Reviewed In : 2021	Specification for hot - Dip zinc coatings on mild steel tubes First Revision
36	IS 4759 : 1996 Reviewed In : 2021	Hot - Dip zinc coatings on structural steel and other allied products - Specification Third Revision
37	IS 5905 : 1989 Reviewed In : 2021	Sprayed aluminium and zinc coatings on iron and steel - Specification First Revision
38	IS 6057 : 1988 Reviewed In : 2021	Specification for hard anodic coatings on aluminium and aluminium alloys First Revision
39	IS 6651 : 1972 Reviewed In : 2021	Specification for anodized aluminium for automobile use
40	IS 6697 : 1988 Reviewed In : 2021	Hot - Dip aluminium coatings on ferrous parts Other Than Sheet Strip And Wire for general purposes - Specification First Revision
41	IS 8376 : 1988 Reviewed In : 2021	Specification for electroplated coatings of nickel plus chromium on plastics for decorative purposes First Revision
42	IS 9839 : 1981 Reviewed In : 2021	Specification for chromate conversion coatings on electroplated zinc and cadmium coatings