

ACA Standards Update

Welcome to the corrosion related standards report for August 2018.

The standards reporting for 2018 is scheduled against specific interests and as indicated below:

Issue 2018 Standards search for Specific Interests

February	Oil & Gas
May	Water & Wastewater
August	Concrete & CP
November	Asset Management / Coatings

This Standards report focuses on Concrete and Cathodic Protection (CP) in relation to corrosion.

As previously this is in two stages, namely:

1. A global standards and publication focus at 28 June 2018, searching through SAIGLOBAL Publications at <https://infostore.saiglobal.com/store>, for all current publications and standards relating to corrosion and its prevention for the topic of 'Concrete' and 'CP'.

These results are shown in Tables 1.

2. A SAI Global search, as previously, at <https://infostore.saiglobal.com/store/default.aspx?SearchType=power> for new standards, amendments or drafts for AS, AS/NZS, EN, ANSI, ASTM, BSI, DIN, ETSI, JSA, NSAI and standards and amendments for ISO & IEC published from 16 April 2018 - 28 June 2018, using the key words and key word groups:

- 'durability'.
- 'corrosion' or 'corrosivity' or 'corrosive'; but not 'anodizing' or 'anodize(d)'.
- 'paint' or 'coating'; but not 'anodizing' or 'anodize(d)'.
- 'galvanize' or 'galvanized' or galvanizing'.
- 'electrochemical' or 'electrolysis' or 'electroplated'.
- 'cathode' or 'cathodic'.
- 'anode' or 'anodic'.
- 'corrosion' and 'concrete' or 'concrete' and 'coatings'.

These results are shown in Table 2.

Stage 1 Report on SAIGLOBAL Publications at <https://infostore.saiglobal.com/store>, for all current publications and standards relating to 'Concrete and CP'.

Table 1a for 'Corrosion' and 'Concrete' without 'CP' high-lights

ASTM	BSI	DIN
ASTM STP1065-90 Corrosion Rates of Steel in Concrete	BS EN 14879-3:2006 organic coating systems and linings for protection of industrial apparatus and plants against corrosion caused by aggressive media. Coatings on concrete components	DIN EN 14879-3 (2007-02) organic coating systems and linings for protection of industrial apparatus and plants against corrosion caused by aggressive media - Part 3: Coatings on concrete components
ASTM STP1276-96 Techniques to Assess the Corrosion Activity of Steel Reinforced Concrete Structures	BS EN 14879-5:2007 organic coating systems and linings for protection of industrial apparatus and plants against corrosion caused by aggressive media. Linings on concrete components	DIN EN 14879-5 (2007-10) organic coating systems and linings for protection of industrial apparatus and plants against corrosion caused by aggressive media - Part 5: Linings on concrete components

Summary

1. Through SAIGLOBAL Publications at <https://infostore.saiglobal.com/store> for a search of current publications, from all publishers over the title (see Stage 1 Report Table);

A. there were 157 citations on 'Concrete' and 'Corrosion'; there were 9 from AS, AS/NZS & SNZ; 110 BSI; 57 DIN; 29 NACE; 22 ACI.

See Table 1a for these titles.

B. on 'Cathodic' and 'Protection' there were 396 citations; 7 from AS; 26 NACE; 21 DIN; 9 ISO; 2 API; 2 ASTM; 1 AASHTO; and 1 Underwriters Laboratory.

See Table 1b for these titles.

2. Across SAIGLOBAL online Standards Publications there was a total of 45 listings of new standards, Drafts and Amendments found that were issued from 16 April 2018 - 28 June 2018; 0 from AS, AS/NZS & SNZ;

These results are shown in Table 2 below.

See the attached Tables for details.

Regards

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ASTM STP629-77 Chloride Corrosion of Steel in Concrete	BS EN 1504-7:2006 Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity. Reinforcement corrosion protection	DIN EN 1504-7 (2006-11) Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 7: Reinforcement corrosion protection
ASTM STP713-80 Corrosion of Reinforcing Steel in Concrete	BS EN 15183:2006 Products and systems for the protection and repair of concrete structures. Test methods. Corrosion protection test	DIN EN 15183 (2006-11) Products and systems for the protection and repair of concrete structures - Test methods - Corrosion protection test
ASTM STP818-83 Corrosion of Metals in Association with Concrete	BS EN 15361:2007 Determination of the influence of the Corrosion Protection Coating on the Anchorage Capacity of the Transverse Anchorage Bars in Prefabricated Reinforced Components of Autoclaved Aerated Concrete	DIN EN 15361 (2007-06) Determination of the influence of the corrosion protection coating on the anchorage capacity of the transverse anchorage bars in prefabricated reinforced components of autoclaved aerated concrete
ASTM STP906-86 Corrosion Effect of Stray Currents and the Techniques for Evaluating Corrosion of Rebars in Concrete	BS EN 480-14:2006 Admixtures for concrete, mortar and grout. Test methods. Determination of the effect on corrosion susceptibility of reinforcing steel by potentiostatic electro-chemical test	DIN EN 480-14 (2007-03) Admixtures for concrete, mortar and grout - Test methods - Part 14: Determination of the effect on corrosion susceptibility of reinforcing steel by potentiostatic electro-chemical test
ASTM C1582/C1582M-11 Standard Specification for Admixtures to inhibit Chloride-induced Corrosion of Reinforcing Steel in Concrete	BS EN 990:2002 Test Methods for Verification of Corrosion Protection of Reinforcement in Autoclaved Aerated Concrete and Lightweight Aggregate Concrete with Open Structure	DIN EN 990 (2003-01) Test methods for verification of corrosion protection of reinforcement in autoclaved aerated concrete and lightweight aggregate concrete with open structure
ASTM C1582/C1582M-11(2017)e1 Standard Specification for Admixtures to inhibit Chloride-induced Corrosion of Reinforcing Steel in Concrete	NACE	
	NACE 01110:2010 Stray-Current-induced Corrosion in Reinforced and Prestressed Concrete Structures	NACE 05107:2007 Report on Corrosion Probes in Soil or Concrete
ASTM C876-15 Standard Test Method for Corrosion Potentials of Uncoated Reinforcing Steel in Concrete	NACE SP 01 00:2014 Cathodic Protection to Control External Corrosion of Concrete Pressure Pipelines and Mortar-Coated Steel Pipelines for Water or Waste Water Service	NACE SP 01 12:2017 Corrosion Management of Atmospherically Exposed Reinforced Concrete Structures
ASTM G109-07(2013) Standard Test Method for Determining Effects of Chemical Admixtures on Corrosion of Embedded Steel Reinforcement in Concrete Exposed to Chloride Environments	NACE SP 01 87:2017 Design for Corrosion Control of Reinforcing Steel in Concrete	NACE SP 03 08:2008 inspection Methods for Corrosion Evaluation of Conventionally Reinforced Concrete Structures
ASTM G180-13 Standard Test Method for Corrosion Inhibiting Admixtures for Steel in Concrete by Polarization Resistance in Cementitious Slurries	NACE SP 03 90:2009 Maintenance and Rehabilitation Considerations for Corrosion Control of Atmospherically Exposed Existing Steel-reinforced Concrete Structure	
ACI (American Concrete institute)		
ACI 222.3R:2011 Guide to Design and Construction Practices to Mitigate Corrosion of Reinforcement in Concrete Structures	ACI 222R:2001 (R2010) Protection of Metals in Concrete Against Corrosion	ACI SP 291 CD:2013 Corrosion of Reinforcing Steel in Concrete - Future Direction: Proceedings - Hope & Schupack Corrosion Symposium Cd
ASHTO (American Association of State Highway and Transportation officials)		
AASHTO M 334M/M 334:2017 Specification for Uncoated, Corrosion-Resistant, Deformed and Plain Chromium Alloyed, Billet-Steel Bars for Concrete Reinforcement and Dowels	AASHTO T 373M/T 373:2017 Method of Test for Comparative Qualitative Corrosion Characterization of Steel Bars Used for Concrete Reinforcement (Linear Polarization Resistance and Potentiodynamic Polarization Tests) American Association of State Highway and Transportation officials	AASHTO TF 32:1992 Task force 32 Report - Manual for Corrosion Protection of Concrete Components in Bridges

Table 1b for 'Corrosion' and 'Concrete' and 'CP' high-lights

AS	
AS 2239-2003 (R2016) Galvanic (sacrificial) anodes for cathodic protection	AS 2832.1:2015 Cathodic protection of metals - Pipes and cables
AS 2832.2-2003 (R2016) Cathodic protection of metals - Compact buried structures	AS 2832.3-2005 (R2016) Cathodic protection of metals - Fixed immersed structures
AS 2832.4-2006 (R2016) Cathodic protection of metals - internal surfaces	AS 2832.5-2008 (R2018) Cathodic protection of metals - Steel in concrete structures
AS 4832-2007 (R2017) Cathodic protection - installation of galvanic sacrificial anodes in soil	
NACE	
NACE 01102:2018 State-of-the-Art Report: Criteria for Cathodic Protection of Prestressed Concrete Structures	NACE 01105:2005 Sacrificial Cathodic Protection of Reinforced Concrete Elements - A State-of-the-art-report
NACE 01116:2016 State-of-the-Art Report on Evaluating Cathodic Protection Systems on Existing Reinforced Concrete Structures	NACE 01210:2010 Cathodic Protection for Masonry Buildings incorporating Structural Steel Frames
NACE 10A392:2006 Effectiveness of Cathodic Protection on thermally insulated Underground Metallic Structures	NACE 1E100:2012 Engineering Symbols Related to Cathodic Protection
NACE 30105:2005 Electrical Isolation/continuity and Coating Issues for offshore Pipeline Cathodic Protection Systems	NACE 7L192:2009 Cathodic Protection Design Considerations for Deep Water Projects
NACE 7L198:2009 Design of Galvanic Anode Cathodic Protection Systems for offshore Structures	NACE SP 01 00:2014 Cathodic Protection to Control External Corrosion of Concrete Pressure Pipelines and Mortar-Coated Steel Pipelines for Water or Waste Water Service
NACE SP 01 04:2004 (R2014) the Use of Coupons for Cathodic Protection Monitoring Applications	NACE SP 01 15:2015 Petroleum, Petrochemical and Natural Gas industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: offshore Pipelines
NACE SP 01 86:1986 (R2007) Application of Cathodic Protection for External Surfaces of Steel Well Casings	NACE SP 01 93:2016 External Cathodic Protection of on-Grade Carbon Steel Storage Tank Bottoms
NACE SP 01 96:2015 Galvanic Anode Cathodic Protection of internal Submerged Surfaces of Steel Water Storage Tanks	NACE SP 02 16:2016 Sacrificial Cathodic Protection of Reinforcing Steel in Atmospherically Exposed Concrete Structures
NACE SP 02 85:2011 External Corrosion Control of Underground Storage Tank Systems by Cathodic Protection	NACE SP 02 90:2000 (R2007) Impressed Current Cathodic Protection of Reinforcing Steel in Atmospherically Exposed Concrete Structures
NACE SP 03 88:2001 (R2014) Impressed Current Cathodic Protection of internal Submerged Surfaces of Carbon Steel Water Storage Tanks	NACE SP 04 08:2014 Cathodic Protection of Reinforcing Steel in Buried or Submerged Concrete Structures
NACE SP 05 75:1995 (R2007) internal Cathodic Protection (cp) Systems in Oil-treating Vessels	NACE SP 06 07:2007 Petroleum and Natural Gas industries - Cathodic Protection of Pipeline
NACE TM 01 01:2012 Measurement Techniques Related to Criteria for Cathodic Protection of Underground Storage Tank Systems	NACE TM 01 15:2015 Cathodic Disbondment Test for Coated Steel Structures Under Cathodic Protection
NACE TM 02 94:2016 Testing of Embeddable Impressed Current Anodes for Use in Cathodic Protection of Atmospherically Exposed Steel-Reinforced Concrete	NACE TM 04 97:2012 Measurement Techniques Related to Criteria for Cathodic Protection on Underground or Submerged Metallic Piping Systems
DIN	
DIN EN 12068 (1999-03) External organic coatings for the corrosion protection of buried or immersed steel pipelines used in conjunction with cathodic protection - Tapes and shrinkable materials	DIN EN 12473 (2014-07) General principles of cathodic protection in seawater

DIN EN 12495 (2000-04) Cathodic protection for fixed steel offshore structures; English version of DIN EN 12495	DIN EN 12496 (2014-02) Galvanic anodes for cathodic protection in seawater and saline mud
DIN EN 12496 (2014-02) Galvanic anodes for cathodic protection in seawater and saline mud	DIN EN 12499 (2003-07) internal cathodic protection of metallic structures
DIN EN ISO 12696 (2017-05) Cathodic protection of steel in concrete (ISO 12696:2016)	DIN EN 12954 (2001-04) Cathodic protection of buried or immersed metallic structures - General principles and application for pipelines; English version of DIN EN 12954
DIN EN 13173 (2001-07) Cathodic protection for steel offshore floating structures; English version of DIN EN 13173	DIN EN ISO 13174 (2013-05) Cathodic protection of harbour installations (ISO 13174:2012)
DIN EN 13509 (2003-09) Cathodic protection measurement techniques	DIN EN 13636 (2004-10) Cathodic protection of buried metallic tanks and related piping
DIN EN 15112 (2006-10) External cathodic protection of well casings	DIN EN ISO 15257 (2017-09) Cathodic protection - Competence levels of cathodic protection persons - Basis for a certification scheme (ISO 15257:2017)
DIN EN ISO 15589-2 (2014-07) Petroleum, petrochemical and natural gas industries - Cathodic protection of pipeline transportation systems - Part 2: offshore pipelines (ISO 15589-2:2012)	DIN EN 16299 (2013-06) Cathodic protection of external surfaces of above ground storage tank bases in contact with soil or foundations
DIN EN 16222 (2012-12) Cathodic protection of ship hulls	DIN 30672 (2000-12) Tape and shrinkable materials for the corrosion protection of buried or underwater pipelines without cathodic protection for use at operating temperatures up to 50 °C
DIN 4753-3 (2011-11) Water Heaters, Water Heating installations and Storage Water Heaters for Drinking Water - Part 3: Corrosion Protection on the Water Side by Enamelling and Cathodic Protection - Requirements and Testing	DIN 4753-3 (2017-08) Water Heaters, Water Heating installations and Storage Water Heaters for Drinking Water - Part 3: Corrosion Protection on the Water Side by Enamelling and Cathodic Protection - Requirements and Testing
DIN 50926 (1992-10) Impressed current cathodic corrosion protection in the bottom zone of unalloyed steel fuel oil storage tanks	
BSI	
BS EN 12068:1999 Cathodic protection. External organic coatings for the corrosion protection of buried or immersed steel pipelines used in conjunction with cathodic protection. Tapes and shrinkable materials	BS EN 12473:2014 General Principles of Cathodic Protection in Seawater
BS EN 12474:2001 Cathodic protection for submarine pipelines	BS EN 12495:2000 Cathodic protection for fixed steel offshore structures
BS EN 12496:2013 Galvanic Anodes for Cathodic Protection in Seawater and Saline Mud	BS EN 12499:2003 internal cathodic protection of metallic structures
BS EN ISO 12696:2016 Cathodic Protection of Steel in Concrete (ISO 12696:2016)	BS EN 12954:2001 Cathodic protection of buried or immersed metallic structures. General principles and application for pipelines
BS EN 13173:2001 Cathodic protection for steel offshore floating structures	BS EN ISO 13174:2012 Cathodic protection of harbour installations
BS EN 13509:2003 Cathodic protection measurement techniques	BS EN 13636:2004 Cathodic Protection of Buried Metallic Tanks and Related Piping
BS EN 14505:2005 Cathodic protection of complex structures	BS EN 15112:2006 External cathodic protection of well casing British Standards institution

BS EN ISO 15257:2017 Cathodic Protection - Competence Levels of Cathodic Protection Persons - Basis for Certification Scheme (Iso 15257:2017)	
BS EN ISO 15589-1:2017 Petroleum, Petrochemical and Natural Gas industries - Cathodic Protection of Pipeline Systems - Part 1: on-Land Pipelines (ISO 15589-1:2015)	BS EN ISO 15589-2:2014 Petroleum, Petrochemical and Natural Gas industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: offshore Pipelines
BS EN 16222:2012 Cathodic protection of ship hulls	BS EN 16299:2013 Cathodic Protection of External Surfaces of Above Ground Storage Tank Bases in Contact with Soil or Foundations
ISO	
ISO 12473:2017 General principles of cathodic protection in seawater	ISO 12696:2016 Cathodic protection of steel in concrete
ISO 13174:2012 Cathodic protection of harbour installations	ISO 15257:2017 Cathodic protection - Competence levels of cathodic protection persons - Basis for a certification scheme
ISO 15589-1:2015 Petroleum, petrochemical and natural gas industries - Cathodic protection of pipeline systems - Part 1: on-land pipelines	ISO 15589-2:2012 Petroleum, petrochemical and natural gas industries - Cathodic protection of pipeline transportation systems - Part 2: offshore pipelines
ISO 19097-1:2018 Accelerated life test method of mixed metal oxide anodes for cathodic protection - Part 1: Application in concrete	ISO 19097-2:2018 Accelerated life test method of mixed metal oxide anodes for cathodic protection - Part 2: Application in soils and natural waters
ISO 20313:2018 Ships and marine technology - Cathodic protection of ships	
ASTM	
ASTM STP1370-99 Designing Cathodic Protection Systems for Marine Structures and Vehicles	ASTM B843-18e1 Standard Specification for Magnesium Alloy Anodes for Cathodic Protection
API	
API 1632 Ed. 3 (1996/R2010) Cathodic Protection of Underground Petroleum Storage Tanks and Piping Systems American Petroleum institute	API 651 Ed. 4 (2014) Cathodic Protection of Aboveground Petroleum Storage Tanks
AAASHTO (American Association of State Highway and Transportation officials)	AASHTO TF 29:1994 Task force 29 Report - Guide Specifications for Cathodic Protection of Concrete Bridge Decks (1994)
ULC (Underwriters Laboratories)	ULC S618 Ed. 4 (2008) Standard for Anodes and Reference Electrodes for Cathodic Protection of Steel Underground Tanks

Table 2 Standards for AS, AS/NZS, EN, ANSI, ASTM, BSI, DIN, ETSI, JSA, NSAI and Standards and Amendments for ISO & IEC PUBLISHED from 16 April-28 June 2018 for:

New standards, amendments or drafts for AS, AS/NZS, EN, ANSI, ASTM, BSI, DIN, ETSI, JSA, NSAI and Standards or Amendments for ISO & IEC PUBLISHED between 16 April - 28 June 2018

Key word search on 'durability'- 1 citation with 0 corrosion related citations found.

ISO 19867-1:2018	Clean cookstoves and clean cooking solutions - Harmonized laboratory test protocols - Part 1: Standard test sequence for emissions and performance, safety and durability
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Key word search on 'corrosion' or 'corrosivity' or 'corrosive'; but not 'anodizing' or 'anodize(d)' or paint/coatings related- 13 citation found0 from AS, AS/NZS & SNZ.

DIN EN ISO 11130 (2018-06)	Corrosion of metals and alloys - Alternate immersion test in salt solution (ISO 11130:2017)
ISO 16151:2018	Corrosion of metals and alloys - Accelerated cyclic test with exposure to acidified salt spray, dry and wet conditions
I.S. EN 2899:2018	Aerospace Series - Vulcanized Rubbers - Test on the Susceptibility to Corrosion in a Damp Atmosphere of Metals in Contact with Vulcanized Rubber

DIN EN 2899 (2018-07)	Aerospace series - Vulcanized rubbers - Test on the susceptibility to corrosion in a damp atmosphere of metals in contact with vulcanized rubbers; German and English version EN 2899:2018
I.S. EN 2944:2018	Aerospace Series - inserts, Screw Thread, Helical Coil, Self-locking, in Corrosion Resisting Steel Fe-pa3004
DIN EN 2944 (2018-06)	Aerospace series - inserts, screw thread, helical coil, self-locking, in corrosion resisting steel FE-PA3004; German and English version EN 2944:2018
DIN EN ISO 7539-7 (2018-05)	Corrosion of metals and alloys - Stress corrosion testing - Part 7: Method for slow strain rate testing (ISO 7539-7:2005)
ASTM A890/A890M-18	Standard Specification for Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application
ASTM A990/A990M-18	Standard Specification for Castings, Iron-Nickel-Chromium and Nickel Alloys, Specially Controlled for Pressure-Retaining Parts for Corrosive Service
ASTM D7893-13(2018)	Standard Guide for Corrosion Test Panel Preparation, Testing, and Rating of Coil-Coated Building Products
ASTM G61-86(2018)	Standard Test Method for Conducting Cyclic Potentiodynamic Polarization Measurements for Localized Corrosion Susceptibility of Iron-, Nickel-, or Cobalt-Based Alloys
ASTM G91-11(2018)	Standard Practice for Monitoring Atmospheric SO ₂ Deposition Rate for Atmospheric Corrosivity Evaluation
ASTM G96-90(2018)	Standard Guide for online Monitoring of Corrosion in Plant Equipment (Electrical and Electrochemical Methods)
Key word search on 'paint' and or 'coating'; but not 'anodizing' or 'anodize(d)' or corrosion- 28 relevant Publications found; 0 from AS, AS/NZS & SNZ.	
DIN EN ISO 12944-5 (2018-06)	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 5: Protective paint systems (ISO 12944-5:2018)
DIN EN ISO 12944-6 (2018-06)	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 6: Laboratory performance test methods (ISO 12944-6:2018)
DIN EN ISO 12944-9 (2018-06)	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 9: Protective paint systems and laboratory performance test methods for offshore and related structures (ISO 12944-9:2018)
ISO 19203:2018	international organization for Standardization Hot-dip galvanized and zinc-aluminium coated high tensile steel wire for bridge cables - Specifications
ISO 20266:2018	Paints and varnishes - Determination of image clarity (degree of sharpness of reflected or transmitted image)
DIN EN ISO 2819 (2018-06)	Metallic coatings on metallic substrates - Electrodeposited and chemically deposited coatings - Review of methods available for testing adhesion (ISO 2819:2017)
ASTM B689-97(2018)	Standard Specification for Electroplated Engineering Nickel Coatings
DIN EN 71-7 (2018-05)	Safety of toys - Part 7: Finger paints - Requirements and test methods (includes Amendment A2:2018)
ASTM A754/A754M-18	Standard Test Method for Coating Weight (Mass) of Metallic Coatings on Steel by X-Ray Fluorescence
ASTM A761/A761M-18	Standard Specification for Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches
ASTM A90/A90M-13(2018)	Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings
ASTM A902-18	Standard Terminology Relating to Metallic Coated Steel Products
ASTM A929/A929M-18	Standard Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe
ASTM B650-95(2018)	Standard Specification for Electrodeposited Engineering Chromium Coatings on Ferrous Substrates
ASTM B867-95(2018)	Standard Specification for Electrodeposited Coatings of Palladium-Nickel for Engineering Use
ASTM B874-96(2018)	Standard Specification for Chromium Diffusion Coating Applied by Pack Cementation Process
ASTM B875-96(2018)	Standard Specification for Aluminium Diffusion Coating Applied by Pack Cementation Process
ASTM C1178/ C1178M-18	Standard Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel

ASTM D2824/ D2824M-18	Standard Specification for Aluminium-Pigmented Asphalt Roof Coatings, Non-fibered, and Fibered without Asbestos
ASTM D3222-18	Standard Specification for Unmodified Poly(Vinylidene Fluoride) (PVDF) Moulding Extrusion and Coating Materials
ASTM D3960-05(2018)	Standard Practice for Determining Volatile organic Compound (VOC) Content of Paints and Related Coatings
ASTM D4479/ D4479M-07(2018)	Standard Specification for Asphalt Roof Coatings—Asbestos-Free
ASTM D7358-07(2018)	Standard Test Method for Water Content of Paints by Quantitative Calcium Hydride Reaction Test Kit
ASTM D7588-11(2018)	Standard Guide for FT-IR Fingerprinting of a Non-Aqueous Liquid Paint as Supplied in the Manufacturer's Container
ASTM D7767-11(2018)	Standard Test Method to Measure Volatiles from Radiation Curable Acrylate Monomers, Oligomers, and Blends and Thin Coatings Made from them
ASTM D7768-12(2018)	Standard Test Method for Speciated organic Volatile Content of Waterborne Multi-Component Coatings by Gas Chromatography
ASTM D7893-13(2018)	Standard Guide for Corrosion Test Panel Preparation, Testing, and Rating of Coil-Coated Building Products
JIS H 8453:2018	Measurement method for thermal conductivity of thermal barrier coatings
Key word search on 'galvanize' or 'galvanized' or galvanizing' (and the galvanise variants) – 1 citations found, 0 from AS, AS/NZS & SNZ.	
ISO 19203:2018	Hot-dip galvanized and zinc-aluminium coated high tensile steel wire for bridge cables - Specifications
Key word search on 'corrosion' and 'concrete' or 'concrete' and 'coatings' – 0 publications found.	
Key word search on 'cathode' or 'cathodic' – 1 Standard Publications found; 0 form AS, AS/NZS & SNZ.	
ASTM B843-18e1	Standard Specification for Magnesium Alloy Anodes for Cathodic Protection
Keyword Search on 'anodize' or 'anodized' - 1 Publications found; 0 form AS, AS/NZS & SNZ.	
DIN EN ISO 7599 (2018-05)	Anodizing of aluminium and its alloys - Method for specifying decorative and protective anodic oxidation coatings on aluminium (ISO 7599:2018)