

ISO 12944-5:2019 (E)

Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 5: Protective paint systems

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Classification of environments
5	New work and refurbishment
5.1	New work and total refurbishment
5.2	Partial refurbishment
6	Types of paint
6.1	General
6.2	Examples of generic type of paints
6.2.1	Alkyd paints (AK)
6.2.2	Acrylic paints (AY)
6.2.3	Ethyl silicate paints (ESI)
6.2.4	Paints for epoxy coatings (EP)
6.2.5	Paints for polyurethane coatings (PUR)
6.2.6	Paints for polyaspartic coatings (PAS)
6.2.7	Paints for polysiloxane coatings (PS)
7	Paint systems
7.1	Priming coats and type of primers
7.1.1	General
7.1.2	Types of primer
7.2	Subsequent coats
7.2.1	General
7.2.2	Intermediate coats
7.2.3	Topcoats
7.3	Dry film thickness
7.4	Durability
7.5	Shop and site application
8	Tables for protective paint systems for C2 to C5, Im1, Im2 and Im3
8.1	Reading the tables
8.2	Parameters influencing durability
8.3	Designation of the paint systems listed
8.4	Guidelines for selecting the appropriate paint system
Annex A	(normative) Abbreviated terms and descriptions
Annex B	(normative) Minimum requirements for corrosion protection systems
Annex C	(informative) Paint systems for carbon steel
Annex D	(informative) Paint systems on hot dip galvanized steel

Annex E (informative) Paint systems on thermal-sprayed metallic coatings

Annex F (informative) Pre-fabrication primers

Page count: 23