

ISO 12944-9:2018-01 (E)

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

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	3
4	Field of application	4
4.1	Type of environment	4
4.2	Type of surface and surface preparation	5
4.3	Type of paint	5
5	Relationship between artificial ageing and natural exposure	5
6	Paints	5
6.1	General	5
6.2	Quality assurance	6
6.3	Packaging and labelling	6
6.4	Required product information	6
6.5	Paint identification	7
6.5.1	General	7
6.5.2	Fingerprint check	7
6.5.3	Routine batch check	7
6.6	Confidential information	8
7	Protective paint systems	8
7.1	Description	8
7.2	Minimum requirements for protective paint systems	9
8	Application testing of paints	10
9	Performance testing of the paint system	10
9.1	Preparation and conditioning of test panels	10
9.1.1	Type and size of panel and number of panels	10
9.1.2	Surface preparation	11
9.1.3	Application and curing	11
9.1.4	Dry film thickness	11
9.1.5	Over-coating time	11
9.1.6	Conditioning/curing	11
9.1.7	Porosity detection	12
9.1.8	Scribe line	12
9.1.9	Assessment of corrosion	12
9.2	Qualification tests	12
9.3	Assessment -- Methods and requirements	12
9.3.1	General	12
9.3.2	Assessment	13

10	Test report	14
	AnnexA(normative)Scribelineforcyclicageingtestandseawaterimmersion	15
	AnnexB(normative)Cyclicageingtest	17
	AnnexC(normative)Fingerprint	18
	AnnexD(informative)Examplesoftestreports	19
	Bibliography	23