ISO 12944-5:2007-09 (E)

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

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Types of paint 4
4.1 General 4
4.2 Reversible coatings 4
4.3 Irreversible coatings 4
4.4 General properties of different generic types of paint 7

5 Paint systems 7
5.1 Classification of environments and surfaces to be painted 7
5.2 Type of primer 8
5.3 Low-VOC paint systems 9
5.4 Dry film thickness 9
5.5 Durability 9
5.6 Shop and site application 10

6 Tables for protective paint systems 11
6.1 Reading the tables 11
6.2 Parameters influencing durability 11
6.3 Designation of the paint systems listed 12
6.4 Guidelines for selecting the appropriate paint system 12

Annex A (informative) Paint systems 13

Annex B (informative) Pre-fabrication primers 23

Annex C (informative) General properties 25

Annex D (informative) Volatile organic compounds (VOCs) 26

Bibliography 28