DIN EN ISO 12944-3:2018-04 (E)

Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 3: Design considerations (ISO 12944-3:2017)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **7**

4 General ... **7**

5 Basic design criteria for corrosion protection purposes ... **7**

5.1 General ... 7
5.2 Accessibility ... 8
5.3 Treatment of gaps ... 8
5.4 Precautions to prevent retention of deposits and water ... 8
5.5 Surface imperfections ... 9
5.6 Bolted connections ... 9
5.6.1 Slip-resistant connections with high-tensile bolts ... 9
5.6.2 Preloaded connections ... 9
5.6.3 Bolts, nuts and washers ... 9
5.7 Box members and hollow components ... 9
5.8 Notches ... 9
5.9 Stiffeners ... 10
5.10 Prevention of galvanic corrosion ... 10
5.11 Handling, transport and erection ... 10

Annex A (informative) **Accessibility — Typical distances required for tools in corrosion protection work** ... **11**

Annex B (informative) **Recommended minimum dimensions of openings for access to confined areas** ... **12**

Annex C (informative) **Minimum dimensions for narrow spaces between surfaces** ... **13**

Annex D (informative) **Design features which can be used to avoid deposits accumulating or water being trapped** ... **15**

Bibliography ... **19**