ISO 2081:2025-11 (E)

Metallic and other inorganic coatings - Electroplated coatings on iron and steel using zinc treated with solutions containing chromium (VI)

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms, definitions, abbreviated terms and symbols ... **2**
3.1 Terms and definitions ... 2
3.2 Abbreviated terms ... 2
3.3 Symbols ... 2

4 Information to be supplied by the purchaser to the electroplater ... **3**
4.1 Essential information ... 3
4.2 Additional information ... 3

5 Designation ... **3**
5.1 General ... 3
5.2 Designation specification ... 4
5.3 Designation of the basis material ... 4
5.4 Designation of heat treatment requirements ... 5

6 Requirements ... **5**
6.1 Appearance ... 5
6.2 Thickness ... 5
6.3 Conversion coatings and other supplementary treatments ... 5
6.4 Adhesion of zinc and conversion coatings ... 6
6.5 Accelerated corrosion testing ... 6
6.5.1 Neutral salt spray test ... 6
6.5.2 Corrosion rating ... 7
6.6 Stress relief heat treatments before cleaning and electroplating ... 7
6.7 Hydrogen-embrittlement-relief heat treatments after electroplating ... 7

7 Sampling ... **7**

Annex A (normative) **Designation of supplementary treatments** ... **9**

Annex B (normative) **Measurement of average thickness of coating on small articles** ... **11**

Bibliography ... **12**