

DIN EN ISO 1456:2009-12 (E)

Metallic and other inorganic coatings - Electrodeposited coatings of nickel, nickel plus chromium, copper plus nickel and of copper plus nickel plus chromium (ISO 1456:2009)

Contents	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Information to be supplied by the purchaser to the processor	7
4.1 Essential information	7
4.2 Additional information	7
5 Designation	8
5.1 General	8
5.2 Designation specifications	8
5.3 Service-condition number	9
5.4 Type of copper coating	17
5.5 Types of nickel coating	17
5.6 Types and thicknesses of chromium	18
6 Requirements	18
6.1 Appearance	18
6.2 Coating thickness	19
6.3 Double- and triple-layer nickel coatings	19
6.4 Adhesion	19
6.5 Corrosion resistance in CASS, Corrodokote and salt spray tests	19
6.6 STEP test requirements	19
6.7 Ductility	20
6.8 Stress-relief heat treatments before coating	20
6.9 Hydrogen-embrittlement-relief treatment	20
6.10 Sampling	20
Annex A (informative) Determination of cracks and pores in chromium coatings	21
Annex B (normative) Methods of test for the determination of thickness	24
Annex C (normative) Ductility test	26
Annex D (normative) Determination of the sulfur content of electrodeposited nickel	27
Annex E (informative) Step test method	28
Bibliography	29