ISO 3882:2024-01 (E)

Metallic and other inorganic coatings - Review of methods of measurement of thickness

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Overview **1**

5 Non-destructive methods **2**

5.1 Split beam microscope (light section) method, ISO 2128 2

5.2 Magnetic methods, ISO 2178 and ISO 2361 2

5.3 Eddy current methods, ISO 2360 and ISO 21968 2

5.4 X-ray spectrometric method, ISO 3497 3

5.5 Beta backscatter method, ISO 3543 3

6 Destructive methods **4**

6.1 Microscopical (optical) method, ISO 1463 4

6.2 Fizeau multiple-beam interferometry method, ISO 3868 4

6.3 Profilometric method, ISO 4518 4

6.4 Scanning electron microscope method, ISO 9220 4

6.5 Dissolution methods 4

6.5.1 Coulometric method, ISO 2177 4

6.5.2 Gravimetric (strip and weigh) method, ISO 10111 5

6.5.3 Gravimetric (analytical) method, ISO 10111 5

Annex A (informative) **Typical measuring application and range** **6**

Bibliography **9**