DIN EN ISO 14571:2023-01 (E)

Metallic coatings on non-metallic basis materials - Measurement of coating thickness - Micro-resistivity method (ISO 14571:2020)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Terms and definitions ... **5**

4 Measurement principle ... **5**

5 Factors affecting measurement uncertainty ... **8**
5.1 Range of measurement ... 8
5.2 Coating resistivity ... 8
5.3 Width of the sample ... 8
5.4 Curvature ... 9
5.5 Surface roughness ... 9
5.6 Temperature ... 9
5.7 Probe contact pressure ... 9

6 Calibration of instruments ... **9**
6.1 General ... 9
6.2 Calibration standards ... 10
6.3 Verification ... 10

7 Procedure ... **10**
7.1 General ... 10
7.2 Width of the sample ... 10
7.3 Curvature ... 10
7.4 Number of measurements ... 10
7.5 Surface cleanliness ... 11

8 Accuracy requirements ... **11**

9 Test report ... **11**

Annex A (informative) **Method for determining the critical current path width** ... **12**

Bibliography ... **13**