DIN EN ISO 2813:2015-02 (E)

Paints and varnishes - Determination of gloss value at 20°, 60° and 85° (ISO 2813:2014)

Contents

Page

Foreword ... **3**

1 Scope ... **4**

2 Normative references ... **4**

3 Terms and definitions ... **4**

4 Principle ... **5**

5 Basic principles of the gloss measurement ... **5**

6 Apparatus and calibration equipment ... **7**
6.1 Glossmeter ... 7
6.2 Measurement standards (certified reference material, working measurement standards) ... 10

7 Test panels ... **11**
7.1 Substrate ... 11
7.2 Preparation and coating ... 11
7.3 Drying and conditioning ... 11
7.4 Thickness of coating ... 11

8 Calibration and adjustment of the glossmeter ... **11**
8.1 Preparation of the apparatus ... 11
8.2 Zero point check ... 11
8.3 Calibration and adjustment ... 12

9 Procedure ... **12**
9.1 Selection of geometry ... 12
9.2 Gloss measurement ... 12

10 Precision ... **13**
10.1 General ... 13
10.2 Repeatability limit ... 13
10.3 Reproducibility limit ... 13

11 Test report ... **13**

Annex A (normative) **Possible sources of error** ... **15**

Annex B (normative) **Calibration standards** ... **18**

Annex C (informative) **Gloss calculation of primary reference standards** ... **20**

Annex D (informative) **Details on precision** ... **24**

Bibliography ... **26**