DIN EN ISO 8503-3:2012-06 (E)

Preparation of steel substrates before application of paints and related products - Surface roughness characteristics of blast-cleaned steel substrates - Part 3: Method for the calibration of ISO surface profile comparators and for the determination of surface profile - Focusing microscope procedure (ISO 8503-3:2012)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative reference 5

3 Terms and definitions 5

4 Principle 5

5 Apparatus 6

6 Test surfaces 6
6.1 ISO surface profile comparator 6
6.2 Blast-cleaned steel substrates/replica 6

7 Procedure for measurement of maximum peak-to-valley height 6

8 Calculation and expression of results 7

9 Test report 7

Annex A (normative) Determination of backlash (play) in the microscope adjustment mechanism 9

Annex B (normative) Test report for the calibration of ISO surface profile comparators and for the determination of surface profiles 10

Annex C (normative) Form for recording surface profile measurements made in accordance with this part of ISO 8503 11

Annex D (informative) Guidance notes for calibrating ISO surface profile comparators using a focusing microscope 12

Annex E (informative) Guidance notes for the preparation and measurement of replicas 14

Bibliography 15