DIN EN ISO 12679:2015-12 (E)

Thermal spraying - Recommendations for thermal spraying (ISO 12679:2011)

Contents

Page

European foreword ... 3

Foreword ... 4

Introduction ... 5

1 Scope ... 6

2 Normative references ... 6

3 Terms and definitions ... 7

4 Parent material ... 7

5 Component geometry ... 8

6 Spray materials ... 8
6.1 General ... 8
6.2 Selection of spray materials ... 8
6.3 Supply, handling and storage ... 9

7 Gases for spraying ... 9

8 Liquid fuels for spraying ... 10

9 Spray equipment ... 10
9.1 General ... 10
9.2 Spray device ... 10
9.3 Mechanical equipment, rotating devices, handling systems, robots ... 10
9.4 Essential auxiliary equipment ... 10

10 Surface preparation prior to spraying ... 11
10.1 General ... 11
10.2 General pretreatments, degreasing, cleaning ... 11
10.3 Grit-blasting and other preparation methods ... 11
10.4 Covering, masking of areas not to be coated ... 12

11 Thermal spraying procedure ... 12
11.1 Spraying procedure specification ... 12
11.2 Applying the spraying process ... 13

12 Post-treatment of the coating ... 14

13 Health, safety and environmental aspects ... 15

14 Recommendations for quality assurance ... 15
14.1 Quality-assurance measures ... 15
14.2 Personnel qualification ... 17

15 Testing of components and accompanying specimens ... 17
15.1 General ... 17
15.2 Tests on the component itself ... 17

Bibliography ... 19