

ISO 12679:2011-09 (E)

Thermal spraying - Recommendations for thermal spraying

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Parent material	2
5	Component geometry	3
6	Spray materials	3
6.1	General	3
6.2	Selection of spray materials	3
6.3	Supply, handling and storage	4
7	Gases for spraying	4
8	Liquid fuels for spraying	5
9	Spray equipment	5
9.1	General	5
9.2	Spray device	5
9.3	Mechanical equipment, rotating devices, handling systems, robots	5
9.4	Essential auxiliary equipment	5
10	Surface preparation prior to spraying	6
10.1	General	6
10.2	General pretreatments, degreasing, cleaning	6
10.3	Grit-blasting and other preparation methods	6
10.4	Covering, masking of areas not to be coated	7
11	Thermal spraying procedure	7
11.1	Spraying procedure specification	7
11.2	Applying the spraying process	8
12	Post-treatment of the coating	9
13	Health, safety and environmental aspects	10
14	Recommendations for quality assurance	10
14.1	Quality-assurance measures	10
14.2	Personnel qualification	12
15	Testing of components and accompanying specimens	12
15.1	General	12
15.2	Tests on the component itself	12
Bibliography		14