

ISO 7599:2010-07 (E)

Anodizing of aluminium and its alloys - General specifications for anodic oxidation coatings on aluminium

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Information supplied by customer to anodizer	4
5	Tests	5
6	Coating thickness	6
7	Quality of sealing	7
8	Appearance and colour	8
9	Corrosion resistance	9
10	Abrasion resistance	9
11	Resistance to cracking by deformation	9
12	Fastness to light and ultraviolet radiation	9
13	Light reflection properties	10
14	Electrical breakdown potential	12
15	Continuity of coating	12
16	Mass per unit area (surface density) of coating	12
	Annex A (informative) Guide to grades of aluminium for anodizing	13
	Annex B (informative) Guidance on surface preparation	14
	Annex C (normative) Interpretation of average and local thickness requirements	16
	Annex D (informative) Standard test panels for calibrating test apparatus for measuring the thickness of anodic oxidation coatings on aluminium	17
	Annex E (informative) Guidance on cleaning materials for external architectural applications	20
	Annex F (informative) Summary of information to be supplied by the customer to the anodizer	21
	Bibliography	22