

COIL COATED ALUMINIUM REYNOLUX[®]

DURAGLOSS[®] 5000 Properties

Properties	Method	Coil coated aluminium REYNOLUX [®]
Coating thickness	EN 13523 - 1 ASTM D 1400	Thickness according to colour : 35 µm
Specular gloss	EN 13523 - 2 ASTM D 523	High gloss / Medium gloss / Low gloss 3 % - <80 %
Colour difference	EN 13523 - 3	Spectrocolorimeter controls with the CIELab scale (45°/ 0° - 10° - D65)
Resistance to cracking on rapid deformation	EN 13523 - 5 ASTM B 2794	No cracking, no loss of adhesion
Adhesion after indentation	EN 13523 - 6 ASTM D 3359	100 % adhesion
Resistance to cracking on bending	EN 13523 - 7 ASTM D 4145	Very good flexibility (OT) Depending on alloy and temper
Acetic salt spray fog resistance	EN 13523 - 8	1 000 hours None or few blisters and max 2mm corrosion undercreeping
Salt spray fog resistance	ASTM B 117 – AAMA 620	3 000 hours None or few blisters and max 2mm corrosion undercreeping
Water immersion resistance	EN 13523 - 9 AAMA 620	3 000 hours None or few blisters
Abrasion resistance Falling sand	ASTM D 968 AAMA 620	> 55 liters
Acid resistance (*) • Nitric Acid • Hydrochloric Acid	AAMA 620 ASTM D 1308	• $\Delta E^* < 5$ units (except some blue and metallic colours) • No effect
Mortar test (*)	AAMA 620	No effect
Humidity resistance	ASTM D 2247 AAMA 620	3 000 hours No or little bubbles
Detergent resistance	AAMA 620	No effect
Color fastness on natural weathering	5 years 45° South FLORIDA	Maximum color change : 5 units for vertical applications / 8 units for non vertical applications
Resistance to chalking on natural weathering	5 years 45° South FLORIDA ASTM D 659	≥ 8

(*) For plain color

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 Member of the European Coil Coating Association (ECCA)
 British Board of Agrément certification (BBA)
 Certification ISO 9001 : 2008 - Certificate Nr FM 90850
 Certification ISO 14001 : 2004 - Certificate Nr EMS 90851

We reserve the right to revise this document in accordance to technical progress. For further informations, contact our sales department.