

BEMO-FLON PROPERTIES

Properties	Test Method	Coil coated aluminium with BEMOFLON
Coating Thickness	DIN EN 13523-1 ASTM D 1400	Thickness according to color: 26 μm (i.e. 20 μm Top coat + 6 μm Primer)
Specular Gloss	DIN EN 13523-2 ASTM D 523	Low Gloss (8 Units) – High Gloss (80 Units)
Resistance to cracking on rapid deformation	DIN EN 13523-5 ASTM B 2794	No cracking, no loss of adhesion
Adhesion after indentation	DIN EN 13523-6 ASTM D 3359	100 % adhesion
Resistance to cracking on bending	DIN EN 13523-7 ASTM D 4145	1T – 2T (depending on alloy and temper)
Pencil hardness	DIN EN 13523- 4 ASTM D 3363	H – 2H
Abrasion resistance falling sand	ASTM D 968	> 55 liters
Resistance to 10% HCl (Hydrochloric Acid) for 15 min.	ASTM D 1308	No effect
Resistance to 20% H ₂ SO ₄ (Sulphuric Acid) for 15 min.	ASTM D 1308	No effect
Salt spray fog resistance	ASTM B 117	3000 h (none or few blisters and max. 2 mm corrosion undercreeping)
Humidity resistance	ASTM D 2247	3000 h (no or little bubbles)
Color fastness on natural weathering	5 years 45° south Florida ASTM D 822	Max. color change: 5 units for vertical / 8 units for non vertical applications
Resistance to chalking on natural weathering	5 years 45° south Florida ASTM D 659	Rating 8 Max.