

Estetic[®] Lighting 82

- Properties**
- Very high reflectance
 - Good formability
 - Thermosetting paint
 - Surface treatment and paint: free of hexavalent chromium and heavy metals

Applications **Lighting**

Description	Thickness ⁽¹⁾	25 microns
	Composition	Front: 5 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat
	Gloss (Gardner 60°) ⁽¹⁾	Usual: 50-90 GU
	Light reflectance (Y)	≥ 82
	Colours	Various shades of white
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film

Performance	Adhesion of the coating (T-bend)	0.5 T
	Resistance to cracking on bending (T-bend)	2 T
	Impact resistance	18 J
	Surface "pencil" hardness	HB to F
	Salt spray test	240 hours
	Condensation resistance:	
	• QCT test	1000 hours
	• Corrosion protection category	CPI3
	Compliance with European directives 2002/95/EC and 2011/65/EC on electrical and electronic equipment	ROHS-compliant
	Resistance to acids and bases	Good to very good
	Resistance to solvents:	
	• Aliphatics and alcohols	Good to very good
	• Ketones	Low
	• Aromatics	Good to very good
	Resistance to mineral oils	Very good

Remarks

These performance characteristics refer specifically to metallic coating Z100.
 If any product (film, oil, foam, glue, paint etc) is to be applied after coil delivery, compatibility with the coating needs to be checked first. Although we take great care to reproduce the same aesthetic aspect on each coil, ArcelorMittal cannot guarantee the visual consistency from one single order item to another. Consequently, you need to consider placing one single order for one building; standard samples can only serve as a guide.

(1) Nominal value, tolerance according to EN 10169