Technical data sheet

The Nature collection



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: Back:	5 microns primer + 20 microns top coat 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 • Corrosion protection category	1000 hours 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 • Ketones • Aromatics	Good to very good Low 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.		
	(1) New York States and the test SN 10100		

(1) Nominal value, tolerance according to EN 10169