

Product Data Sheet

AkzoNobel Powder Coatings

Interpon 610 ReFlex MA208U (also MA220G) Matte White

Product Description	<p>Interpon 610 is a range of polyester based powder coatings, formulated without TGIC, designed for exterior exposure, offering excellent light and weather resistance from a single coat finish. MA208U is part of the Interpon ReFlex range of coatings with high total reflectance, designed specifically for the lighting market.</p>		
Powder Properties	Chemical type	Polyester TGIC Free	
	Appearance	Smooth Matte	
	Gloss level (Gardner 60°)	≤ 10 units	
	Recommended Film thickness	3.0 – 4.0 mils	
	Specific gravity	1.50 +/-0.05 g/cm ³	
	Coverage @ 1.0 mil	127 sq.ft/lb/mil	
	Storage	Maximum 80°F	
	Shelf life	12 months, typical	
	Curing schedule (at object temperature)	20 – 25 minutes at 350°F 15 – 20 minutes at 375°F 10 – 15 minutes at 400°F	
Mechanical Tests	Flexibility	ASTM D522	3 mm
	Adhesion	ASTM D3359	100%
	Impact resistance (Direct)	ASTM 2794	60 minimum
	Hardness	ASTM3363	2H
	Total Reflectance (@ 3.0 mils)	DIN 5036-3	90.5 – 91.0
	Reflectance Class	DIN EN 16268	B With Illuminant D65 and 10° observer
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	No corrosion creep >2 mm from scribe, No blisters, at 500 hrs
	Humidity	ASTM D2247	No blistering or loss of gloss at 1000 hours
	Exterior Durability		Yes
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	Substrate	CRS	
	Pretreatment	Iron Phosphate (B1000)	
	Film thickness	3.0 – 4.0 mils	
	Cure schedule	10 minutes at 400°F	
Actual film performance will depend on the individual circumstances in which the product is used.			
Pre-treatment	Steel surfaces to be coated must be clean and free from grease. For maximum protection, it is essential to pre-treat components prior to the application of Interpon 610 . Iron		

phosphate and zinc phosphate of ferrous metals improve corrosion resistance.

Aluminum substrate may require a conversion coating.

Application	Interpon 610 powders can be applied by manual or automatic electronic spray equipment. It is recommended that for consistent application and appearance product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.
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Additional Information	Interpon 610 powders have no chalking and slight gloss loss after 12 months of South Florida exposure but no film breakdown or reduction in protective properties.
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Key Product Attributes	High Reflective
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Safety Precautions	Please consult the Safety Datasheet (SDS).
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Disclaimer	IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product.
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