

Product Data Sheet



AkzoNobel Powder Coatings

Interpon 600 Low-E KA003QF (Formerly 30-1348) Medical White

Product Description	Interpon 600 Low-E is a range of TGIC powder coatings designed for exterior exposure and offers excellent light and weather resistance from a single coat finish on a variety of substrates. Interpon 600 Low-E powders are available in a wide range of colors in gloss, satin, matte, and texture effect finishes and can be custom matched to customer specifications.		
Powder Properties	Chemical type	Polyester TGIC	
	Appearance	Smooth	
	Gloss level (Gardner 60°)	>85	
	Recommended Film thickness	2.0 – 2.5	
	Specific gravity	1.53 +/-0.05 g/cm³	
	Coverage @ 1.0 mil	126 sq.ft/lb/mil	
	Storage	Maximum 80°F	
	Shelf life	12 months	
	Curing schedule (at object temperature)	10 minutes at 300°F.	
Mechanical Tests	Flexibility	ASTM D522	1/8" mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance (Direct)	ASTM 2794	40 or better
	Hardness	ASTM3363	H minimum
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	<1/16" creep, no blisters, 500 hrs
	Humidity	ASTM D2247	No Change 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	2.0 – 3.0 mils	
	Cure schedule	15 minutes at 350°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 600 Low-E . Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance. Aluminum substrate may require a conversion coating.		
Application	Interpon 600 Low-E 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.

Additional Information

Interpon 600 Low-E powders have no chalking and slight gloss loss after 12 months of South Florida exposure but no film breakdown or reduction in protective properties.

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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