

Product Data Sheet

AkzoNobel Powder Coatings

Interpon 200 PA032Q (also PA020G) Gloss White 155W174-U

Product Description	<p>Interpon 200 is a range of polyurethane-based powder coatings designed for the exterior environment offering excellent corrosion protection properties. Exceptional smoothness, flow and high gloss make Interpon 200 powders ideal for applications where a high level of aesthetic finish is required. Interpon 200 powders are available in a wide range of colors and gloss levels. PA032Q is part of the Interpon ReFlex range of coatings with high total reflectance, designed specifically for the lighting market.</p>		
Powder Properties	Chemical type	Polyurethane	
	Appearance	Smooth	
	Gloss level (Gardner 60°)	80+	
	Recommended Film thickness	1.5 – 2.5	
	Specific gravity	1.74 +/-0.05 g/cm ³	
	Coverage @ 1.0 mil	110.5 sq.ft/lb/mil	
	Storage	Maximum 80°F	
	Shelf life	12 months	
	Curing schedule (at object temperature)	15 minutes at 400°F	
Mechanical Tests	Flexibility	ASTM D522	1/2" mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance (Direct)	ASTM 2794	60 or better
	Hardness	ASTM3363	2H minimum
	Total Reflectance (@ 2.0 mils)		91.0
	(@ 3.0 mils)	DIN 5036-3	92.5
	(@ 3.5 mils)		93.0
	Reflectance Class	DIN EN 16268	A With Illuminant D65 and 10° observer
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	<1/8" 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) or Zinc Phosphate (B952)	
	Film thickness	1.6 – 2.0 mils	
	Cure schedule	15 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 200**. Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.

Aluminum substrate may require a conversion coating.

Application **Interpon 200** 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 This product is UL1332 "Coating, Organic, for Steel Enclosure-use Electrical Equipment – Component" recognized to UL Designation **155*(a)*(b)-U**. For UL1332 certification all requirements must be met as designated in File: DTOV2 MH13725. As such, following are the required application standards that must be met.

Cure Cycle (min)	Cure Window (°F)	Min. Film Thickness (mils)	Pre-Treatment(s) over			
			Cold Rolled Steel	Hot Rolled Steel	Galvanized Steel	Galvaneal Steel
22-57	350	1.5	3 Stage Iron Phosphate	No approval over this substrate	3 Stage Iron Phosphate over G60	3 Stage Iron Phosphate over A60
7-27	400		3 Stage Zinc Phosphate			

No other substrate or pre-treatment may be used in 155*(a)*(b)-U designation.

Key Product Attributes High Reflective

Safety Precautions Please consult the Safety Datasheet (SDS).

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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 Author: **R.LEBO**