

Product Data Sheet

AkzoNobel Powder Coatings

Interpon 200 PL100Q ANSI 61 Gray Polyester/Urethane R

Product Description	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.		
Powder Properties	Chemical type	Polyurethane	
	Appearance	Smooth	
	Gloss level (Gardner 60°)	55 - 65	
	Recommended Film thickness	1.5 – 2.5	
	Specific gravity	1.78 +/-0.05 g/cm ³	
	Coverage @ 1.0 mil	108 sq.ft/lb/mil	
	Storage	Maximum 80°F	
	Shelf life	12 months	
	Curing schedule (at object temperature)	15 minutes at 350°F	
Mechanical Tests	Flexibility	ASTM D522	1/8" mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance (Direct)	ASTM 2794	60 minimum
	Hardness	ASTM3363	H or better
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	Rating 5 min, no blisters, 600 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	1.5 – 2.5 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 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 **Polyester/Urethane R**. 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 Temp (°F)	Min. Film Thickness (mils)	Pre-Treatment(s) & Substrate(s)				UL Approval Designation
			Cold Rolled Steel	Hot Rolled Steel	Galvanized Steel	Galvanneal Steel	
15	350	1.5	5 Stage Iron Phosphate	5 Stage Iron Phosphate	5 Stage Iron Phosphate	No approval over this substrate	Polyester / Urethane R
15	400 (HRS only)	1.5					
15	350	2.0	5 Stage Zirconium	No approval over this substrate	No approval over this substrate	No approval over this substrate	PL100Q

No other substrate or pre-treatment may be used in Polyester/Urethane R designation.

Key Product Attributes

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.

Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel

<http://www.interpon.com/contact-us/>

Copyright © 2015 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel

Product Name: **PL100Q**
 Last Revision Date: **4/2/17**
 Revision Number: **4**
 Author: **T.McLeish**