

Product Data Sheet

AkzoNobel Powder Coatings

Interpon 100 AJ400QF (Formerly 12-5003) Military Blue U1556-1

Product Description	<p>Interpon 100 is a series of epoxy based powder coatings that exhibit excellent corrosion protection and chemical resistance when applied over a properly prepared metal substrate. Interpon 100 is designed for interior application only. Interpon 100 powders are available in gloss, satin, matte, and texture finishes in a wide range of colors.</p>		
Powder Properties	Chemical type	Epoxy	
	Appearance	Wrinkle	
	Gloss level (Gardner 60°)	1.5 – 3.5	
	Recommended Film thickness	2.5 – 4.0	
	Specific gravity	1.44 +/-0.05 g/cm ³	
	Coverage @ 1.0 mil	134 sq.ft/lb/mil	
	Storage	Maximum 80°F	
	Shelf life	12 months	
	Curing schedule (at object temperature)	10 minutes at 375°F	
Mechanical Tests	Flexibility	ASTM D522	1/8" mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance (Direct)	ASTM 2794	40 minimum
	Hardness	ASTM3363	H minimum
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		No
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 375°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 100 . Iron phosphate of ferrous metals improve corrosion resistance.		
Application	Interpon 100 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 **U1556-1**. 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
20	350	2.5	5 Stage Iron Phosphate	No approval over this substrate	No approval over this substrate	No approval over this substrate
8	400					

No other substrate or pre-treatment may be used in U1556-1 designation.

Key Product Attributes

U1556-1 Designation

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: L. Alicea