

Product Data Sheet

AkzoNobel Powder Coatings

Interpon NTX EA004QF (Formerly 40-1042) FDA White U1585-1

Product Description	Interpon NTX is a series of powder coatings designed for Food Contact situations. Epoxy and Epoxy/Polyester Hybrid powders are designed for the interior environment and offer excellent corrosion resistance, hardness, and chemical resistance properties. Primid powders are a series of polyester based powder coatings, formulated without TGIC, designed for exterior exposure, offering excellent light and weather resistance from a single coat finish. Interpon NTX powders are available in a wide range of colors and gloss levels.		
Powder Properties	Chemical type	Polyester-Epoxy Hybrid	
	Appearance	Smooth	
	Gloss level (Gardner 60°)	90+	
	Recommended Film thickness	1.8 – 2.2	
	Specific gravity	1.70 +/-0.05 g/cm ³	
	Coverage @ 1.0 mil	113 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	140
	Hardness	ASTM3363	H minimum
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	<1/8" creep, no blisters, at 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 NTX . Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.		
	Aluminum substrate may require a conversion coating.		
Application	Interpon NTX 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 NTX is suitable for use in food contact applications per 21 CFR 175.300 and 21 CFR 178-3297 if applied in accordance with its specifications. The end user should determine the suitability of this product for end use application.

This product is UL1332 “Coating, Organic, for Steel Enclosure-use Electrical Equipment – Component” recognized to UL Designation **U1585-1**. 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	1.8	7 Stage Iron Phosphate	No approval over this substrate	7 Stage Zinc Phosphate G60, G40	7 Stage Zinc Phosphate A60, A40
10	400					

No other substrate or pre-treatment may be used in U1585-1 designation.

Key Product Attributes

U1585-1 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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