Akzo Nobel Coatings Inc. – Powder Coatings
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Technical data sheet

Date	: 2/22/2011
Product name	: **Interpon 100**
Product code	: **AL003QF (Formerly 10-7010)**
Color	: **Cloud Gray U1555-4**
Product Description	: **Interpon 100** is a series 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.

Powder properties

Type	: Epoxy
Gloss (Gardner 60°)	: 80-95
Specific gravity	: 1.63 +/-0.05 g/cm³
Coverage at 1.0 mil	: 117.97 sq.ft/lb/mil
Storage conditions	: Maximum 80°F
Shelf life	: 12 months
Film thickness	: 1.8-2.2 mils
Cure Schedule	: 8 minutes at 400° F

Typical Performance Characteristics

Pencil Hardness/Mar	: HB-H	ASTM D3363
Pencil Hardness/Gouge	: H-2H	ASTM D3363
Cross Hatch Adhesion	: 5B	ASTM D3363
Salt Spray Resistance	: 3000+ hours 1/8” vertical scribe	ASTM B117
Impact Resistance	: 120	ASTM D2794

Substrate 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 and zinc phosphate of ferrous metals improve corrosion resistance.

Application

Interpon 100 powders can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system. It is recommended that for consistent application and appearance product be fluidized during application.

Additional Information

This product is UL1332 “Coating, Organic, for Steel Enclosure-use Electrical Equipment – Component” recognized to UL Designation **U1555-4**. For UL1332 certifcation 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
10	400	1.7	Iron Phosphate	No approval over this substrate	No approval over this substrate	No approval over this substrate

No other substrate or pre-treatment may be used in U1555-4 designation.

Approved to Mil-PRF-24712, type 1, Class 4

Safety Precautions

Please consult the Safety Datasheet (SDS).

FOR PROFESSIONAL USE ONLY

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 fulfill the demands set out in the local rules and legislation. Always read the Safety 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.