

Technical data sheet

Date	: 2/22/2011
Product name	: Interpon 100
Product code	: AK127QF (Formerly 17-6003)
Color	: Green 2685 82038B
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
Application Method	: Fluid Bed
Gloss (Gardner 60°)	: 60-70
Specific gravity	: 1.68 +/-0.05 g/cm ³
Coverage at 1.0 mil	: 114.86 sq.ft/lb/mil
Storage conditions	: Keep below 70°F (21C)
Shelf life	: 12 months
Film thickness	: 10 min
Cure Schedule	: Preheat- 10 minutes at 400° F Postheat- 10 minutes at 450° F

Typical Performance Characteristics

Hardness, Shore D	: 92	ASTM D2240
Tensile Strength	: 7500psi	ASTM D638
Coefficient of Thermal Expansion	: 3x10 in./in./C	ASTM D696
Dielectric Constant	: 4.6	
Dielectric Strength	: 1000 volts/mil	ASTM D149
Thermal Shock Resistance	: Passes 12 cycles (+400F to -20F)	

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 UL OCTD2.E34521 recognized to UL Designation 82038B. For UL OCTD2.E34521, following is the applicable data.

Min. Film Thickness (mm)	UL 94 Flame Class	Elec	H	D
			Mech	
			w/Imp	w/o Imp
0.13	-	130	130	130

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.

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