

## Technical data sheet

<b>Date</b>	: July 9, 2018
<b>Product name</b>	: <b>Interpon 600</b>
<b>Product code</b>	: <b>JN103QF (Formerly 30-7018)</b>
<b>Color</b>	: <b>Comet Black U1578-1</b>
<b>Product Description</b>	: <b>Interpon 600</b> is a range of TGIC powder coatings designed for exterior exposure that offer excellent light and weather resistance from a single coat finish on a variety of substrates. <b>Interpon 600</b> powders are available in a wide range of colors in gloss, satin, matte, and texture finishes and can be custom matched to customer specifications.

### Powder properties

<b>Type</b>	: Polyester TGIC
<b>Gloss (Gardner 60°)</b>	: 60-70
<b>Specific gravity</b>	: 1.52 +/-0.05 g/cm <sup>3</sup>
<b>Coverage at 1.0 mil</b>	: 126.51 sq.ft/lb/mil
<b>Storage conditions</b>	: Maximum 80°F
<b>Shelf life</b>	: 12 months, typical
<b>Cure Schedule</b>	: 20-25 minutes at 350° F 15-20 minutes at 375° F 10-15 minutes at 400° F

### Test Conditions

<b>Substrate</b>	: CRS
<b>Pretreatment</b>	: Iron Phosphate (B1000)
<b>Cure schedule</b>	: 15 minutes at 400°F
<b>Dry film thickness</b>	: 2.0-3.0 mils
<b>Testing condition</b>	: The results shown above are based on mechanical and chemical tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for guidance only. Actual product performance will depend upon the circumstances under which the product is used.

### Mechanical tests

<b>Flexibility</b>	: 1/8" Mandrel	ASTM D522-13
<b>Adhesion</b>	: 100%, 5B	ASTM D3359-09E2
<b>Pencil Hardness</b>	: 3H (Scratch), 4H (Gouge) min.	ASTM D3363-05
<b>Impact</b>	: 160/160 min.	ASTM D2794-93

### Chemical tests

<b>Salt spray</b>	: <5/16" creep, 1500 hrs	ASTM B117-16
<b>Humidity</b>	: No change at 4000+ hours	ASTM D2247-15
<b>Xenon Weathering</b>	: 500 HR. Gloss retention (60°): ≥ 70% Color Change (ΔE): < 3.0 max	SAE J2527-04
<b>Exterior Durability</b>	: Yes	
<b>Post Formable</b>	: Yes	

## 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 600**. Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.

Aluminum substrate may require a chromate conversion coating.

## Application

**Interpon 600** 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 600** powders have no chalking and slight gloss loss after 12 months Florida exposure but no film breakdown or reduction in protective properties.

### UL Approval 1578-1

This product is UL1332 “Coating, Organic, for Steel Enclosure-use Electrical Equipment – Component” recognized to UL Designation **U1578-1**. 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
15	375	1.7	3 Stage Iron Phosphate	No approval over this substrate	7 Stage Zinc Phosphate G60, G40	7 Stage Zinc Phosphate A60, A40
20	425					

No other substrate or pre-treatment may be used in U1578-1 designation.

## 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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