Akzo Nobel Coatings Inc. – Powder Coatings
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Technical data sheet

Date	: 9/8/2011
Product name	: **Interpon A2000: Exterior Trim**
Product code	: **QN304U**
Color	: **Black Texture – Interpon A2000**
Product Description	: **Interpon A2000 Exterior Trim** is a series of performance engineered powder coatings designed for the highest automotive OEM standards for exterior coatings. They are available in a range of colors and glosses including durable metallic monocoats and are ideal for applications where a high level of aesthetic finish is required. **Interpon A2000 Interpon Trim** coatings are designed to meet the aesthetic and performance requirements for automotive interior applications.

Powder properties

Type	: Polyester TGIC
Gloss (Gardner 60°)	: 2-4
Specific gravity	: 1.60 +/-0.05 g/cm³
Coverage at 1.0 mil	: 120.2 sq.ft/lb/mil
Storage conditions	: Maximum 80°F
Shelf life	: 12 months, typical
Cure Schedule	: 15-20 minutes at 375° F 15-20 minutes at 380° F 10-15 minutes at 392° F

Test Conditions

Substrate	: Colled Rolled Steel
Pretreatment	: Iron Phosphate (B1000), Zinc Phosphate (B952), Electrocoat
Cure schedule	: 20 minutes at 380° F
Dry film thickness	: 2.5-3.5 mils
Testing condition	: 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

Flexibility	: 1/4” Mandrel	ASTM D522
Adhesion	: 100%	ASTM D3359
Hardness	: H-2H min	ASTM D3363
Impact	: 80-120 inch pounds - direct	ASTM D2794
Impact	: 80-120 inch pounds – reverse	ASTM D2794

Chemical tests

Salt spray	: >240 hours	ASTM B117
Humidity	: >240 hours	ASTM D2247
Exterior Durability	: 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 A2000**. Zinc Phosphate of ferrous metals improve corrosion resistance.

Aluminum substrate may require a chromate conversion coating.

Application

Interpon A2000 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.

Additional Information

Up to 5 years Exteriro Durable.

Daimler Chrysler: MS-PE16-2
Ford Motor: WSS-M70J5B

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.