

Technical data sheet

Date	: 1/26/2010
Product name	: Interpon A1000: Underhood / Underbody
Product code	: AN010Q (Formerly VE-309)
Color	: Black – Interpon A1000
Product Description	: Interpon A1000 is a series of thermosetting powder coatings, exhibiting excellent corrosion protection and chemical resistance when applied over a properly prepared metal substrate. These powders are designed for application on automotive engine blocks and castings that require machining after coating. These products are also recommended for Underhood / Underbody component parts.

Powder properties

Type	: Epoxy
Gloss (Gardner 60°)	: 80 min
Specific gravity	: 1.29 +/-0.05 g/cm ³
Coverage at 1.0 mil	: 149.1 sq.ft/lb/mil
Storage conditions	: Maximum 80°F
Shelf life	: 12 months
Cure Schedule	: 8 minutes at 310° F

Test Conditions

Substrate	: CRS
Pretreatment	: Iron Phosphate (B1000)
Cure schedule	: 8 minutes at 310° 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	: 1/8" Mandrel	ASTM D522
Adhesion	: 100%	ASTM D3359
Hardness	: 2H	ASTM D3363
Impact	: 160/160	ASTM D2794

Chemical tests

Salt spray	: <1/8" creep, no blisters, 500 hrs	ASTM B117
Humidity	: No change at 1000 hours	ASTM D2247
Exterior Durability	: No	

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 A1000**. Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.

Application

Interpon A1000 powders can be applied by manual or automatic electronic 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

Product holds the following approval:

DaimlerChrysler

MS-PE16-2

Delphi

M52240

Ford Motor

ESF-M70J-A

ESB-M70J4-A

ESE-M2P171-A1/A2

WSS-M2P185-a!

General Motor

9984164

9984050

50 Double Rubs Xylene- Pass, no color transfer, softenig or discoloration

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

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