

Product Datasheet



BU Powder Coatings Interpon F1000

AkzoNobel
Tomorrow's Answers Today

Product Description

Interpon F1000 is a range of epoxy polyester hybrid powder coatings. Designed for use on interior metal furniture, the single coat finish offers excellent scratch and mar resistance on a variety of substrates. **Interpon F1000** products are not suitable for external applications.

Interpon F1000 powders are available in specific colour ranges and various gloss levels.

Powder Properties

Chemical type	Epoxy/Polyester
Sales Code	E-series
Particle Size	Suitable for electrostatic spray
Specific gravity	1.2-1.7 g/cm ³ depending on colour
Storage	Dry cool conditions below 25°C <i>(open boxes must be resealed)</i>
Shelf life	12 months
Stoving schedule (object temperature)	20 - 35 minutes at 180°C 15 - 30 minutes at 190°C 10 - 20 minutes at 200°C

Test Conditions

The results shown below 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.

Substrate	Mechanical tests: Gold Seal polished steel Chemical & durability tests: Gold Seal lightweight
Pretreatment	Iron Phosphate
Film Thickness	50 - 90 microns
Stoving schedule	10 minutes at 200°C (object temperature)

Mechanical Tests

Adhesion	BS EN ISO 2409 (2mm Crosshatch)	Gt 0
Pencil Hardness	ASTM 3363/05 Scratch ASTM 3363/05 Gouge (Certified pencils)	Pass H Pass 3H
Impact	ASTM D2794/93 2004 (Joule) (forward/reverse)	9.0/9.0
Abrasion	ASTM 4060/01 (1000 cycles, CS10 wheels)	<60mg weight loss
Mar Resistance	Crockmeter Mar tests (20 degree gloss)	Max 50% Gloss change

Chemical and Durability Tests

Solvent Resistance	GM9509P	4.0/4.0
Stain Resistance	DIN ISO 4628-1 Stain Rating	Average 1.5
Constant Humidity	ISO 6270-1 (1000 hours)	No blistering, darkening or delamination. Max dE<5.0
Permeability	EN12206-1:2004	No blistering, darkening or delamination after 1 hour Max gloss change ±20% units



Pretreatment	Aluminium, steel or Zintec surfaces to be coated must be clean and free from grease. Iron phosphate and particularly lightweight zinc phosphating of ferrous metals improves corrosion resistance. Aluminium substrates may require a chromate conversion coating.
Application	Interpon F1000 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 Interpon F1000 be applied to a thickness of 50 – 90 microns.
Safety Precautions	Please consult the Material Safety Datasheet (MSDS)

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 Material 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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