

Product Datasheet



BU Powder Coatings

Interpon F1500

AkzoNobel
Tomorrow's Answers Today

Product Description

Interpon F1500 is a range of Polyester powder coatings formulated without the use of TGIC. Designed for use on exterior metal furniture, the single coat finish offers excellent scratch and mar resistance on a variety of substrates.

Interpon F1500 powders are available in specific colour ranges and various gloss levels.

Powder Properties

Chemical type	Polyester
Particle Size	Suitable for electrostatic spray
Specific gravity	1.5 ± 0.2 g/cm ³ depending on colour
Storage	Dry, cool conditions below 25°C
Shelf life	12 months
Sales Code	M-series
Stoving schedule	15 – 30 minutes at 190°C (object temperature) 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	Cold rolled steel
Pretreatment	Zn phosphate
Film Thickness	50 – 90 µm
Stoving	10 minutes at 200°C

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 (in/lbs) ASTM D2794/93 2004 (Joules) (forward/reverse)	80/80 9.0/9.0
Abrasion	ASTM 4060/01 (1000 cycles, CS10 Wheel)	<60mg wt loss
Mar Resistance	Crockmeter Mar Test (20deg Gloss)	Max 50% gloss change

Chemical and Durability Tests:

Solvent Resistance	GM9509P	4.0/4.0
Stain Resistance	DIN ISO 4628-1 Stain Rating	Avg 1.5
QUV	UVB-313 50% Gloss Retention Max DE change	>200 hours <5
Salt Spray	ASTM B117, 480 hours	Creep Rating > 5
Constant Humidity	ISO6270 (1000hrs)	No blistering, darkening, or delamination. Max DE <5
Permeability	EN12206-1:2004 Pressure Cooker Test	No blistering or delamination after 1hr Max Gloss Change +/-20% units

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Pretreatment: Aluminium, Steel or Zintec surfaces to be coated must be clean and free from grease. Iron phosphate is an acceptable pre-treatment for interior environments, lightweight zinc phosphating of ferrous metals improves corrosion resistance.

Aluminium substrates may require a chromate conversion coating.

Application **Interpon F1500** 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 powder coating is applied to a thickness of 50-90 µm

Safety Precautions When using do not eat, drink or smoke. Do not breathe the dust. In case of insufficient ventilation wear suitable respiratory equipment. For further information please consult the Material Safety Datasheet (PC010)

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 advice 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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