

# 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

<b>Chemical type</b>	Epoxy/Polyester
<b>Particle Size</b>	Suitable for electrostatic spray
<b>Specific gravity</b>	1.2 – 1.7 g/cm <sup>3</sup> depending on colour
<b>Storage</b>	Dry, cool conditions below 25°C
<b>Shelf life</b>	12 months
<b>Sales Code</b>	E-series
<b>Stoving schedule</b>	20 – 35 minutes at 180°C
(object temperature)	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.

<b>Substrate</b>	Cold rolled steel
<b>Pretreatment</b>	Fe phosphate
<b>Film Thickness</b>	50 – 90 µm

## Mechanical Tests

<b>Adhesion</b>	BS EN ISO 2409 (2mm crosshatch)	Gt 0
<b>Pencil Hardness</b>	ASTM 3363/05 Scratch ASTM 3363/05 Gouge (Certified pencils)	Pass H Pass 3H
<b>Impact</b>	ASTM D2794/93 2004 (in/lbs) ASTM D2794/93 2004 (Joules) (forward/reverse)	80/80 9.0/9.0
<b>Abrasion</b>	ASTM 4060/01 (1000 cycles, CS10 Wheel)	<60mg wt loss
<b>Mar Resistance</b>	Crockmeter Mar Test (20deg Gloss)	Max 50% gloss change

## Chemical and Durability Tests:

<b>Solvent Resistance</b>	GM9509P	4.0/4.0
<b>Stain Resistance</b>	DIN ISO 4628-1 Stain Rating	Avg 1.5
<b>Constant Humidity</b>	ISO6270 (1000hrs)	No blistering, darkening, or delamination. Max DE <5
<b>Permeability</b>	EN12206-1:2004	No blistering or delamination after 1hr Max Gloss Change +/-20% units

## Interpon F1000

---

**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 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 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.

Brand names mentioned in this data sheet are trademarks of or are licensed to Akzo Nobel