

# Product Datasheet



## BU Powder Coatings Interpon 700LB

**AkzoNobel**  
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### Product Description

**Interpon 700LB** is a range of low bake powder coatings, specifically designed for use as finish coat for heat sensitive substrates such as MDF. It can also be used onto metal substrate.

**Interpon 700LB** products are not suitable for external applications.

**Interpon 700LB** powders are available on order in a range of colours and special finishes and can be matched to user's requirements.

### Powder Properties

<b>Chemical type</b>	Low Bake Epoxy - Polyester
<b>Gloss/Finishes</b>	Fine or coarse texture for wood (gloss can be adjusted between 2 to 30%) Smooth gloss finish possible for metal
<b>Sales Code</b>	F-series
<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 (open boxes must be resealed)
<b>Shelf life</b>	12 months
<b>Stoving schedule (object temperature)</b>	15-25 min at 130°C 10-20 min at 140°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>	19mm MDF
<b>Surface temperature for application</b>	50-70°C
<b>Film Thickness</b>	70 - 90 microns
<b>Stoving conditions</b>	10 min at 140°C (object temperature)

### Mechanical Tests

<b>Adhesion</b>	NF EN ISO 2409 (2mm Crosshatch)	Class 0
<b>Impact</b>	NF D60-050 F15	>50 cm
<b>Scratch Resistance</b>	NF EN 438-2	>0.8 N
<b>Taber Abrasion</b>	NF EN 438-2	>250 revolutions

### Chemical and Durability Tests

<b>Solvent Resistance</b>	Acetone double rubs	20 slight softening
<b>Stain Resistance</b>	NF EN 12720	Generally good resistance to coffee, tea, red wine, cola, tomato sauce
<b>Light Resistance</b>	NF D60-050 F4	5
<b>Exterior Durability</b>		Not recommended for exterior use

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<b>Pretreatment</b>	<p>The MDF board has to be carefully sanded prior to application. It must be clean and free from dust. The use of heat prior to application provides an even earthing of the substrate for deposition of the powder. Infra red or convection pre-heat can be used. Time and temperature will depend of the thickness of the board. The temperature of the board should be between 50 and 70°C in the spraying booth.</p> <p>Each type of MDF can have a different behaviour for powder spraying and results can also be influenced by the coating line parameters. It is advisable to do a prototype before production.</p> <p><b>Interpon 700LB is also available as an sandable undercoat wood primer, to be applied under standard Interpon 700LB. For information, please refer to the specific product datasheet</b></p>
<b>Application</b>	<p><b>Interpon 700LB</b> powders can be applied by manual or automatic electrostatic spray equipment. Tribo formulations can be made on request. Unused powder can be reclaimed using suitable equipment and recycled through the coating system. For special effect powders, please refer to the specific product datasheet</p>
<b>Safety Precautions</b>	<p>Please consult the Material Safety Datasheet (MSDS)</p>

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#### 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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