

Interpon 600

Product Description: **Interpon 600** is a series of polyester based powder coatings designed for the exterior environment, offering excellent light and weather resistance from a single coat finish on a variety of substrates. The enhanced heat resistance of **Interpon 600** powders makes them ideal for use where colour retention on surfaces exposed to continuous heat is required.

Interpon 600 powders are available in a wide range of colours in gloss, satin, matt and textured effects and can be custom matched to the user's requirements.

Powder Properties:	Chemical type	Polyester
	Particle size	Suitable for electrostatic spray
	Specific gravity	1.2-1.8 g/cm ³ depending on colour
	Storage	Dry cool conditions below 25°C
	Shelf life	12 months
	Sales Code	J-series
	Stoving schedule^(a)	15 minutes at 190°C
		(object temperature) 10 minutes at 200°C
		8 minutes at 210°C

(a) For high reactivity (HR) powders see overleaf

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	Zinc phosphate
Film Thickness	50 microns
Stoving	5 minutes at 200°C (object temperature)

Mechanical Tests:	Flexibility	ISO6860	Pass 3mm
		(Conical Mandrel)	
	Adhesion	BS EN ISO2409	0
		(2mm Crosshatch)	
	Erichsen Cupping	ISO1520	Pass >7mm
	Hardness	ISO2815	Pass - no penetration to substrate
	(2000gms)		
Impact	BS3900-E3	Pass 2.5mm direct and reverse	

Chemical and Durability Tests:	Salt Spray	ISO7253	Pass - no corrosion creep more than 2mm from scribe
		(250 hours)	
	Cyclic Humidity	BS3900-F2	Pass - no blistering or loss of gloss
		(1000 hours)	
	Distilled Water Immersion	BS3900-F7	Pass - no blistering or loss of gloss
	(240 hours)		
Exterior Durability		Excellent - no chalking, slight loss of gloss after 12 months continuous exposure but no film breakdown or reduction in protective properties.	
Colour Stability at elevated temperatures		Excellent for continuous exposure up to 150°C.	

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Chemical Resistance

Generally good resistance to acids, alkalis and oils at normal temperatures.

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 600 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.

Additional Information:

Interpon 600HR (High Reactivity) powders are also available for use where a lower stoving temperature or shorter curing schedule is required.

Sales code: K-Series

Stoving schedule: 15 minutes at 160°C

(object temperature) 8 minutes at 180°C

Shelf life: 12 months

For further details on powder properties and film performance of **Interpon 600HR** please contact Akzo Nobel.

Safety Precautions:

This product is intended for use only by professional applicators in industrial environments and should not be used without reference to the relevant health and safety data sheet which Akzo Nobel has provided to its customer. If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact Akzo Nobel to obtain a copy before using the product. Minimum safety precautions in dealing with all powder coatings are as follows: All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapours resulting from the cure should be avoided. Take steps to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. Dust and powder should not be allowed to build up on surfaces or ledges. Dust collection equipment should be used which has provision for adequate explosion release. All equipment should be electrically earthed to prevent build up of static. Users are recommended to follow the guidelines laid down in the "Code of Safe Practices" issued by the British Coatings Federation, copies of which are available on request.

Disclaimer:

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this 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. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.