

# Interpon Express

# Colour Service

**Product Description:** **Interpon Express Colour Service** products are a series of polyester based powder coatings formulated without the use of TGIC. Designed for interior and exterior end uses, the single coat finish offers excellent light and weather resistance on a variety of substrates.

**Interpon Express Colour Service** powders are custom matched, to the user's requirements, for colour and gloss.

<b>Powder Properties:</b>	<b>Chemical type</b>	TGIC-free Polyester	
	<b>Particle size</b>	Suitable for electrostatic spray	
	<b>Gloss</b>	Gloss	85±5
		Satin	70±5
		Matt	25±5
		<i>Note: Any gloss level is available from 20-90%.</i>	
	<b>Specific gravity</b>	Suitable for electrostatic spray	
	<b>Storage</b>	Dry cool conditions below 25°C	
	<b>Shelf life</b>	12 months	
	<b>Sales Code</b>	V-series	
<b>Stoving schedule</b> (object temperature)	15 minutes at 190°C		
	10 minutes at 200°C		
	8 minutes at 210°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>	Mechanical tests: Gold Seal polished steel Chemical & durability tests: Gold Seal lightweight	
	<b>Pretreatment</b>	Zinc phosphate	
	<b>Film Thickness</b>	50 microns	
	<b>Stoving</b>	8 minutes at 210°C (object temperature)	
	<b>Mechanical Tests:</b>	<b>Adhesion</b>	BS EN ISO 2409 (2mm Crosshatch)
<b>Erichsen Cupping</b>		ISO1520	Pass >7mm
<b>Hardness</b>		BS EN ISO1518 (2000gms)	Pass - no penetration to substrate
<b>Impact</b>		BS3900-E3	Pass 2.5mm direct and reverse
<b>Flexibility</b>		ISO6860 (Conical Mandrel)	Pass 3mm
<b>Chemical and Durability Tests:</b>	<b>Salt Spray</b>	ISO7253 (250 hours)	Pass - no corrosion creep more than 2mm from scribe
	<b>Cyclic Humidity</b>	BS3900-F2 (1000 hours)	Pass - no blistering or loss of gloss
	<b>Distilled Water Immersion</b>	BS3900-F7 (240 hours)	Pass - no blistering or loss of gloss
	<b>Chemical Resistance</b>	Generally good resistance to acids, alkalis and oils at normal temperatures.	
	<b>Exterior Durability</b>	Excellent - no chalking, slight loss of gloss after 12 months continuous exposure but no film breakdown or reduction in protective properties.	

**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 Express Colour Service** can be applied by manual or automatic electrostatic spray equipment. The use of a fluid-bed is recommended. It is recommended that powder film thickness be between 50-90 microns. For best results this powder has been designed to be applied at a voltage of no higher than 80kV. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

**Interpon Express Colour Service** products may have slightly different application characteristics than conventional powders. For guideline, please refer to the Application Notes available from Akzo Nobel and attached to the box.

**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.