

Interpon EC

Product Description: **Interpon EC** is a high quality powder formulated to have excellent anti-graffiti and stain resistance properties with good aesthetic appearance.

Interpon EC is suitable for outdoor use and architectural applications. Aerosol paints can be easily removed using xylene, acetone or trichloroethylene.

Interpon EC is available in a range of colours and as a transparent clear and can be custom matched to user's requirements.

Powder Properties:	Chemical type	Reinforced Polyurethane
	Particle size	Suitable for electrostatic spray
	Gloss	Gloss & Semi-gloss
	Specific gravity	1.2-1.9 g/cm ³ (depending on colour)
	Storage	Dry cool conditions below 25°C
	Shelf life	6 months
	Stoving schedule	20 minutes at 190°C
	(object temperature)	15 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	Mechanical tests: 0.6mm degreased steel Chemical tests: 0.6mm Zn/Mn phosphated steel
Film Thickness	60 - 70 microns
Stoving (object temperature)	20 minutes at 190°C (object temperature)

Mechanical Tests:	Adhesion	ISO2409	Gt 0
		DIN53151(2mm crosshatch)	Gt 0 >95%
	Erichsen Cupping	ISO1520	>4 mm
	Hardness	ISO15814	2H to 3H
	Impact	ISO/TR6272	Pass 2.5 Joule D/R Pass 25Kg/cm D/R
	Flexibility	ISO1519 (Cylindrical Mandrel) ISO6860 (Conical Mandrel)	Pass 3/16" Pass 3mm

Chemical Tests	Salt Spray	UNI5687/73 (>500 hours)	With creepage from scribe ≤3mm
	Constant Humidity	UNI8744 (>1000 hours)	Without blistering
	Gasoline, Diesel fuel & Ethanol	60 mins @ 25°C	Pass - no blistering or change in appearance
	Xylene, Mobil brake Fluid & Acetone	10 mins @ 25°C	Pass - no blistering, or change in appearance
	Acetone/Ethyl acetate (1:1) & Acetone	100 rubs @ 25°C	Pass - no blistering, or change in appearance
	0.1N Hydrochloric acid & 0.1N Sodium Hydroxide	4 hours @ 60°C	Pass - no blistering or change in appearance

Interpon EC UK

Anti-graffiti Resistance:

<u>Type</u>	<u>Cleaning Fluid</u>
Enamel Spray	A, C, D
Water-based Marker	O
Permanent Marker	A, B, C, D, E
Lipstick	O
Shoe Polish	O

Key:

- A 90% denatured alcohol
- B 1:1 mixture of denatured alcohol & detergent
- C Acetone
- D Trichloroethylene
- E Tetrachloroethane
- O Rub with cloth

The following commercially available graffiti removers have been tested and are approved for use on Interpon EC:

New MPGRG supplied by Performance chemicals Ltd

Graffi green supplied by Tensid UK

Perpetual supplied by Perpetual environmental Ltd.

Pretreatment:

For more information regarding specific substrates and applications for **Interpon EC** contact Akzo Nobel.

Application:

Interpon EC 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.

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.