Interpon XTR

Product Description:

Interpon XTR is a high quality powder designed especially for application as a thin film. Special manufacturing procedures and patented technology ensure that the powder has equivalent aesthetic and physical/chemical properties to a conventional powder, whilst offering significant cost savings. It is compatible* with standard powder.

Interpon XTR powders are available in a range of chemistry types and colours in gloss and reduced gloss finishes, and are always custom matched to the user's requirements.

Powder Properties:

Chemical type	Various - depends on end use
Particle size	Suitable for spray application
Specific gravity	1.2-1.7 g/cm³ depending on colour
Storage	Dry cool conditions below 25°C
Shelf life	12 months
Sales Code	9-series
Stoving schedule	To match user's requirements

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: Polished steel Chemical & durability tests: Steel
Pretreatment	Zinc phosphate
Film Thickness	30 microns
Stoving	6 minutes at 200°C (object temperature)

Mechanical Tests:

Adhesion	BS EN ISO2409 (2mm Crosshatch)	Gt 0
Erichsen Cupping	ISO1520	Pass >7mm
Hardness	BS EN ISO1518 (2000gms)	Pass - no penetration to substrate
Impact	BS3900-E3	Pass 2.5 joules direct and reverse
Flexibility	ISO6860 (Conical Mandrel)	Pass 3mm

Chemical Tests:

Salt Spray	ISO7253 (250 hours)	Pass - no corrosion creep more than 2mm from scribe.
Cyclic Humidity	BS3900-F2 (1000 hours)	Pass - no blistering or loss of gloss
Distilled Water Immersion	BS3900-F7 (240 hours)	Pass - no blistering or loss of gloss
Chemical Resistance		Generally excellent resistance to most acids, alkalis and oils at normal temperatures.

Exterior Durability	Some chalking after 6-12 months continuous outdoor exposure but less than pure epoxies. Protective properties not impaired.
Colour Stability at elevated temperatures	Good - satisfactory for continuous exposure up to 125°C

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 XTR 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. Tribostatic versions can also be supplied.

Additional Information:

For further details on powder properties and film performance of **Interpon XTR** 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.

***Compatibility**

Interpon XTR powders are formulated specifically for the end –user and designed to be compatible with Akzo Nobel non- **Interpon XTR** equivalents. Compatibility with other powders should be tested prior to application. The full application improvement is only realised if the application equipment is cleaned of conventional powder prior to **Interpon XTR** going on line.

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.

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