

Product Data Sheet

AkzoNobel Powder Coatings

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 colors in gloss and reduced gloss finishes and are always custom matched to the user's requirements.

Powder Properties

Chemical type	Various – dependent on end-use
Sales Code	9-series
Density (g/cm³)	1,2 - 1,70 g/cm ³
Application	Suitable for spray application
Storage	Under dry, cool ($\leq 25^{\circ}\text{C}$) conditions
Shelf life	At least 24 months from production date
Curing schedule	To match users' 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 and Durability Tests: Steel
Pretreatment	Zinc Phosphate
Film Thickness	30 microns
Curing Schedule (with topcoat)	6 minutes at 200°C (object temperature)

Mechanical Tests

Flexibility (Cylindrical Mandrel)	(Conical Mandrel)	Pass 3mm
Adhesion	ISO 2409 (2mm crosshatch)	Class 0
Erichsen Cupping	ISO 1520	Pass 7 mm
Impact	ISO 6272	Pass 2.5 joules direct and reverse

Corrosion Tests

Mild Steel

The results shown are based on tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for advice only, actual performance depends upon the circumstances under which the product is used.

Neutral Salt Spray

ISO 9227

Pass - no corrosion creep more than 2mm from scribe

Pretreatment

Surface preparation depends upon the metal, the type of surface, its conditions and the required performance.

Substrate	Mechanical pretreatment	Chemical pretreatment
Mild steel	Grit Blasting Sa 2.5 in accordance with ISO NF EN 8501-1. Roughness: Rz 42-84 µm / Ra 6-12 µm	Degreasing & phosphating (or equivalent) followed by passivation, DW rinsing and drying.
Cast steel		
Electro Zinc steel	Not recommended	
Hot dip galvanized steel	Not recommended	Degreasing by phosphating and passivation or primary wash Cromadex 903, which can be substituted by a chemical passivating with the Cromadex MC245.
Zinc sprayed (gas flame/electrical deposition)	Not recommended	Not recommended

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.

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 realized if the application equipment is cleaned of conventional powder prior to Interpon XTR going on line.

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 customers.

Disclaimer

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 fulfil 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.

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<http://www.interpon.com/contact-us/>

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Interpon XTR - Issue #2

Last Revision Date: 19.08.2019

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