

Product Datasheet



BU Powder Coatings

Interpon HYF

AkzoNobel
Tomorrow's Answers Today

Product Description

Interpon HYF is a coating developed for internal parts of water boilers. The product has good mechanical properties, high chemical resistance and excellent boiling water resistance.

Powder Properties

Chemical type	Modified Epoxy
Colour	Green and Blue
Particle Size	Suitable for spray application
Gloss	ISO2813-1978 (E) 85±5
Specific gravity	1.405±0.03 (Theoretical value)
Storage	Dry cool conditions below 25°C
Shelf life	6 months
Stoving schedule	20 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 Zinc phosphated steel
Film Thickness	65±5 microns
Stoving	20 minutes at 200°C (object temperature)

Mechanical Tests

Adhesion	ISO2409-1972 (E)	Gt 0 >95%
Erichsen Cupping	ISO1520/73	(mm) ≥6
Hardness	ASTM D3363/74	H to 2H
Impact	ISO/TR6272	(kg/cm) ≥20
Flexibility	ISO1519/73 (E)	Pass 3/16"

Chemical Tests

Salt Spray	UNI5687/73 (1000 hours)	With creepage from scribe ≤1mm
Constant Humidity	UNI8744 (1000 hours)	Without blistering
Boiling Water Resistance @ 98°	Akzo Nobel F12 (Internal method)	
	Steel Degreased	50 hours
	Steel Sand blasted	150 hours
	Steel Sand blasted & wash primer	1300 hours
	Steel Iron (iii) phosphate	>1100 hours
	Steel Zn/Mn phosphate	>2500 hours
	Steel Iron phosphate	600 hours

Pretreatment For more information regarding specific substrates and applications for **Interpon HYF** contact AkzoNobel.

Application **Interpon HYF** 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 Please consult the Material Safety Datasheet (MSDS)

FOR PROFESSIONAL USE ONLY

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 fulfill 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. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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