

Interpon HYF

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 (Object temperature)	20minutes 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	

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Pretreatment: For more information regarding specific substrates and applications for **Interpon HYF** contact Akzo Nobel.

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: 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.
