

Product Data Sheet

AkzoNobel Powder Coatings

Interpon HYF HL101I

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	
	Appearance	Smooth	
	Color	Grey	
	Recommended Film Thickness (µm)	60 - 80 µm	
	Density (g/cm³)	1,51 ± 0.03 g/cm ³ (theoretical value)	
	Application	Suitable for spray application	
	Storage	Under dry, cool (≤ 25°C) conditions	
	Shelf life	3 months < 25°C 6 months < 20°C	
	Curing schedule	See section curing below	
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: 0.6 mm degreased steel Chemical tests: 0.6 mm Zinc and iron phosphated steel	
	Film Thickness	70-80 microns	
	Curing Schedule	20 minutes at 200°C (object temperature)	
	Mechanical Tests	Flexibility	ISO 1519
Adhesion		ISO 2409	Gt0
Hardness		ASTM D3363	H-2H
Erichsen Cupping		ISO 1520	> 6 mm
Impact		ISO 6272	Pass 0.3 kg·m
Corrosion Tests		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	1000 hrs detachment < 1 mm from the cross hatch
	Humidity chamber	ISO 6270-1	1000 hrs - without blistering or loss of gloss

Boiling Water Resistance @ 98°	Akzo Nobel F12 (Internal Method Akzo Nobel)	> 2000 hrs zinc phosphate steel > 150 hrs sand blasted steel
---------------------------------------	--	--

Pretreatment	<p>The best boiling water-resistant performances are linked to the pre-treatment quality.</p> <p>Both sandblasting and phosphating must be carried out in optimal conditions, followed by painting in controlled times. The hours of resistance to the boiling water test are directly proportional to the goodness and quality of the pre-treatment cycle and therefore we always suggest performing tests directly on the final product.</p> <p>For more information on specific substrates and / or applications we recommend contacting Akzo Nobel.</p>
---------------------	---

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 customers.
---------------------------	--

Disclaimer	<p>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.</p> <p>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 advices 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.</p> <p>Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel.</p>
-------------------	--

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

Copyright © 2019 Akzo Nobel Powder Coatings Interpon is a registered trademark of AkzoNobel

Interpon HYF - Issue #4

Last Revision Date: 03.12.2019

Author: Como Lab