

Product Data Sheet

AkzoNobel Powder Coatings

Interpon HT 450 WN308I

Product Description	Interpon HT WN308I , provides corrosion protection and appearance integrity for high temperature components (up to 450°C) such as stove, barbeque, exhaust and pipes that are made of iron, steel and cast iron substrates.		
	Appearance	black powder	
	Density	1.8±0.1 g/cm ³	
	Storage	Dry cool conditions	
	Shelf life	Under dry, cool (<25°C) conditions 6 months at least	
	Curing schedule (at object temperature)	20 minutes at 210°C Failure to observe the correct curing conditions may cause difference in color, gloss and the deterioration of the coating properties.	
Mechanical Tests	Flexibility	ASTM-D522 (Conical Mandrel)	N/A
	Adhesion	ISO 2409-2013 (2 mm Crosscut)	0/1
	Hardness	ASTM-D3363 (Gouge)	2H
Additional Tests	Thermal Exposure (300°C for 24 hours)	No cracking, neither film detachment, it keeps good adhesion properties 1/2.	
	Thermal Exposure (450°C for 1 hour)	No cracking, neither film detachment, it keeps good adhesion properties 0/1.	
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	Substrate	Steel panel according to the norm EN 10139 (thickness 3mm).	
	Pretreatment	Sand blasted.	
	Film thickness	40-60 µm	
	Cure schedule	20 minutes at 210°C (object temperature)	
	Actual film performance will depend on the individual circumstances in which the product is used.		
Pre-treatment	All oil and grease, scale, rust, dirt and process markings such as grease pencil or chalk must be removed. A multi-stage cleaning and a sand blasting (Rz 25-35) process is strongly recommended for optimum performances.		
Application	WN308I powders can be applied by manual or automatic electrostatic spray equipment. Recommended film thickness is 40 – 60 µm. For more detailed information please contact AkzoNobel technical service team.		
Additional information	The customer/coater has to check the efficacy of the complete cycle,		

pretreatment/coating/polymerization, evaluating the performances on the finished handwork. It's therefore strongly recommended to perform some "life" tests (the simulation of the real use of the coated piece) in the absence of which AkzoNobel declines any responsibility to the customer/coater.

Safety Precautions

Please consult the Material Safety Datasheet (MSDS)

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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