

Technical Datasheet

Interpon HT 350

WA001JR

High temperature resistance coatings



Product description

Interpon HT 350 is designed for severe thermal exposure, enduring temperatures of 200°C for 24 hours and 250°C for 1 hour with remarkable resilience. This coating doesn't crack or detach, ensuring exceptional gloss stability and outstanding yellowing resistance even after heat exposure. It maintains strong adhesion properties consistently. Beyond its robust performance, its color options range from black and grey to metallic and white, all rendered in a fine texture finish. Especially suited for areas demanding both durability and aesthetics, **Interpon HT 350** shines as a preferred choice for boilers, stoves, fireplaces, and BBQs. Typical End-uses: Boilers, stoves, fireplaces and BBQs surrounds.

Powder properties

	Typical value
Color	Polar White
Density	1.6 - 1.65 g/cm ³
Flow	Fine Texture
Finish Effect	Solid
Recommended film thickness	40 - 60µm
Shelf life	6 months below 25 °C
Storage Conditions	(open boxes must be resealed) Dry, cool conditions
Curing schedule	20 min at 210°C Failure to observe the correct curing conditions may cause difference in color, gloss and the deterioration of the coating properties.

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 process is strongly recommended for optimum performances.

Application

Powders can be applied by manual or automatic electrostatic spray equipment.

All powders can show small color differences from batch to batch, this is normal and unavoidable.

While AkzoNobel take every precaution to minimize visible differences, this cannot be guaranteed.

Applicators and fabricators are advised to use a single batch for parts that will be assembled together. Differences are more likely with special effect powders.

A good protection is linked with the recommended film thickness.

Application Method	Electrostatic
Recycling	Not recommended.

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Test conditions

The results are based on mechanical and chemical tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for guidance only

Testing has been determined under laboratory conditions using the following application properties and is for guidance only.

Pre-treatment	Sand blasting
Substrate	Steel panel according to the norm EN 10139 (thickness 3mm)
Curing schedule	20 min at 210°C (object temperature)
Film Thickness	40 - 60µm

Mechanical tests

	Typical value	Method/standard
Adhesion	Class 1 or better	ISO 2409 (2 mm Crosshatch)
Pencil hardness		ASTM D 3363

Additional Testing

	Typical value
Thermal Exposure (200°C for 24 hours)	No cracking, neither film detachment, it keeps good adhesion properties 0/1.
Thermal Exposure (250°C for 1 hour)	No cracking, neither film detachment, it keeps good adhesion properties 0/1.

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. Possible color change after curing the film.

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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