



Interpon®
POWDER COATINGS

⚙️ Industrial

Interpon HT

Heat resistant powder coatings

Interpon. Your Personal Best.

AkzoNobel



Interpon HT

Extreme performance at extreme temperatures

Interpon HT is a range of powder coatings designed for those seeking durable, heat-resistant solutions that not only perform but also maintain their aesthetic qualities even under extreme conditions. It has been developed for applications that require heat resistance properties ranging from 200°C (392°F) to the extreme high heat temperatures of 550°C (1022°F), whilst maintaining color stability and staying fully resistant to delamination, corrosion, and cracking.

Interior and exterior assets ranging from fireplaces to barbecues, lighting fixtures to exhaust flues, can all realize the exceptional performance that Interpon HT products provide. Various parts of agricultural and construction equipment such as exhaust system can also benefit. Various substrates from steel to cast iron can be accommodated, with the appropriate chemical or mechanical pre-treatment regimes to ensure optimum performance.

Leading benefits

Exceptional resistance to high temperatures

Interpon HT powder coatings can withstand temperatures between 200°C (392°F) and 550°C (1022°F), protecting products and surfaces for longer.

Stable and reliable performance

Exceptional heat performance comes without compromising color stability or coating adhesion. Interpon HT delivers excellent resistance to delamination, cracking, corrosion and scratching.

Diverse range of applications

Developed to accommodate extremes of heat, from a vehicle's exhaust system to a wood-burning stove or barbeque, Interpon HT can be applied to various substrates including steel, iron and cast iron.

Built-in sustainability

As a powder coating, Interpon HT is free from VOCs and produces almost zero waste in application whilst its durability helps protect products for longer before they need to be replaced.



Deciding features

Substrates pre-treatment

Proper substrate pre-treatment is critical to the performance of high service temperature products. Pre-treatment may vary with substrate type and application.

A multi-stage cleaning and sand blasting process is strongly recommended for optimum performances, for some applications grit blasting may be adequate.

Comprehensive product range

Range	Interpon HT 350	Interpon HT 450	Interpon HT 550
Thermal exposure	200°C for 24 hours 250°C for 1 hours (No cracking or delamination, it maintains good adhesion properties)	300°C for 24 hours 450°C for 1 hours (No cracking or delamination, it maintains good adhesion properties)	400°C for 24 hours 600°C for 1 hours (Some loss of color and gloss may occur over time. No cracking or delamination, it maintains good adhesion properties)
Visual aspect	Black & Grey Metallic & White Fine texture	Black & Grey Metallic Fine texture	Black & Grey Metallic Fine texture
Main technical properties	Gloss stability / yellowing resistance after heat exposure	Good outdoor resistance	Corrosion protection before and after heat exposure. Good outdoor resistance
Typical end-uses	Boilers, stoves, fireplaces and barbeques	Exhaust system, stoves, chimney flues, barbeques	Mufflers, chimney flues, body and inside parts or stoves

*Variations per product code may occur. No claims can be made based on this table. Please refer to the relevant Technical Data sheet for detailed technical information





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