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TECHNICAL DATA SHEET

Thermoresist

Air-drying paint for fireplaces

Colours:	According to the colour chart
Field of application:	Developed for the aesthetic coating of metal substrates exposed to high temperatures for long periods of time (stoves, chimneys, grills, furnaces, fireplaces, exhausters, smoke-pipes, heat-technology equipment, electronic industrial and domestic machines, etc.)
Appearance:	Homogenous suspension
Non volatile content: (180°C/30 min):	min. 28 m/m%
Efflux time (DIN4, 23°C):	min. 18 s
Shelf life:	6 months from production if stored between +5 and +25°C.

PROPERTIES AND APPLICATION INSTRUCTIONS

Substrates:	Cold- or hot rolled steel, cast iron
Surface pre-treatment:	Substrates must be clean, dry and free from any contamination. All oil, dirt, grease, dust, foreign material and oxide layer must be removed prior to coating. Blast cleaning provides a roughened surface that improves adhesion. Abrasive blast clean to Sa 2½ (ISO 8501-1:2007).
Processing:	Conventional low-pressure, high-pressure and HVLP atomization, or electrostatically, By conventional air spray 1,3-1,5 mm nozzle and 2,5-4 bar atomizing pressure is advised.
Drying and cure:	<p>At 20°C, in 30 minutes only a physical drying will occur. The coating will reach its optimum resistance capability by curing for 30 minutes at 200°C.</p> <p>Only after this can the coated surface be exposed to higher temperatures, applying an even rate of heating up to 240-250°C for 30 minutes.</p>



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Rec. layer thickness:	90-145 µm wet / 15-25 µm dry
Adhesion:	0 grade (on blasted steel)
Heat resistance:	maximum 600°C (slight loss of gloss is acceptable)
Theor. spreading rate:	6,8 m ² /kg 25 µm DFT
Thinning:	not necessary
Clean up:	Tools and surfaces contaminated with paint can be cleaned with some organic solvent (e.g. aromatic thinner).
Storage & Shelf life:	Material should be stored in a dry, shaded environment away from heat, frost & ignition sources.
Safety precautions:	Thermoresist paint is for use only by professional applicators in accordance with information in this Technical Data Sheet and the applicable Material Safety Data Sheet (MSDS). Refer to the product MSDS before using this material.

We recommend the field of application and usage technologies according to our best technical knowledge. These recommendations do not substitute for the detailed application technology / method statement which has to be developed with respect to the local circumstances and application requirements. In this sense this TDS should be considered as information only.