



robin

La qualité en peinture

Technical data sheet
Update: 12/12/2007 – Version 1

HIGH TEMPERATURE PAINT 600°C L18425

DEFINITION	Aluminium thermosetting finishing paint ensuring good protection of steel and cast iron at temperatures up to 600°C.
PURPOSE	* Metal fireplaces * Outside of a heating body * Boilers * Pipes
SUPPORTS	Indoors: ferrous metals directly Outdoors: ferrous metals with a coat of zinc rich epoxy primer L4890 to improve corrosion resistance, according to the indications below: * Up to 350°C: apply 1 coat of zinc rich epoxy primer L4890 (40 microns dry) * Above 350°C: Apply the high temperature paint 600°C L18425 directly onto the metal. For any other support, consult our technical department.

According to official standards in force or, by default ,according to in-house standards

IDENTIFICATION CHARACTERISTICS

Classification NF T 36-005	Family I Class 4 a/10 c
Nature of the resin	Silicone Resin and leafing aluminium
Appearance of the dry film	Satin
Dry extract in weight	40 ± 1%
Dry extract in volume	30 ± 1%
Density	1.0
Viscosity at 20°C	35 s cut FORD No. 4
Drying at 20°C, 60% RH and 25 µm secs	Dust free: 25 minutes Tack free: 30 minutes Dry: < 1 h Complete hardening of the film is obtained only after a heating to 200°C for 45 minutes.
Theoretical yield	14 ± 1 Sq. m/kg at 25 µm dry on smooth support and without application losses

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USE

It must comply with standards in force and proper rules.

SUPPORT PREPARATION

The surfaces must be thoroughly cleaned of all dirt, old non-adherent paint, traces of grease, by scraping, brushing, dusting and degreasing.
Rust, scale and old deteriorated paint must be eliminated preferably by shot peening or sandblasting to a degree of care of SA 2.5 minimum and if sandblasting is not possible, do it by scraping - brushing to a degree of care St 3.

	Equipment	Dilution
Application	Brush	Ready for use
	Roller	
	Air gun	0 to 10 % synthetic thinner X
	Airless gun	

Cleaning the equipment Synthetic thinner X

COVERING By itself after light sanding for a completely hardened film

RECOMMENDATIONS

Ambiant application conditions:
* Even if the product is air dried, it is recommended that the painted parts should be heated for 45 minutes at 200°C. If they are not submitted within a reasonable time, at a temperature over 200°C for at least 1 hour.
* The ambient and support temperature over 10°C, and under 35°C
* Non-condensing support: the temperature of the support must be at least 3°C higher than the dew point.
* Relative humidity less than 75%

COLOURS RAL 9006

PACKAGING	5 kg	25 Kg	
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CONSERVATION 1 year in original closed and non-opened cans.
Store in a well ventilated area at a temperature between +5 and +35°C.

HEALTH AND SAFETY See the corresponding safety data sheet.

NB: These instructions supersede any previous instructions for the same product. It is the responsibility of our customers to check with our department to know whether it has been modified by a more recent edition.
The information contained in these instructions is not legally binding, and they cannot substitute for a description that is appropriate to the nature and condition of the surface to be painted.

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