

TECHNICAL DATA SHEET

6AG1W

IDROSOL 120°C

Creation date 13/02/2015

Rev. 2

GENERAL CHARACTERISTICS		
Fast drying glossy water-dilutable enamel. Its special formulation makes it possible to considerably reduce the percentage of VOCs emitted during application. Equipped with high drop resistance, it is used in the painting of metal structures intended for exposure in urban, rural and light industrial atmospheres. The product can be applied directly on ferrous metal surfaces, for maximum performance in terms of anti-corrosion it is advisable to apply a coat of our IDROSOL first. The appearance of the hardened film is glossy with a soft touch.		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.12 ± 0,1 Kg/L	
VISCOSITY	R3 1130 cP a 20°C	
SOLIDS CONTENT	42 ± 1% (weight) 37 ± 1% (volume)	Theoretical
YIELD: (50 µm dry)	7,5 m ² /Kg	
OPACITIES	85-90 Gloss	Glossmeter 60°
VOC gr/l (Dir. 2010/75/EC)	157.04 g/L	
AVAILABLE COLOURS	All dyes available	
CATALYSIS RATIO	This product does not require catalysis	
NATURE OF THE PRODUCT	Modified Epoxy Ester	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
RESISTANCES	
ATMOSPHERIC AGENTS	Very good
NORMAL INDUSTRIAL ATMOSPHERE	Good
HEAVY INDUSTRIAL ATMOSPHERE	Good
MARINE ATMOSPHERE	Good
HIGH HUMIDITY ENVIRONMENTS	Very good
TEMPERATURE	MAX: 180°C (1 hour)

APPLICATION MODE	
BRUSH ROLLER	Recommended only for retouching operations or on surfaces of limited size. Dil. 5-10% with DISTILLED WATER
SPRAY	Dilution 10% DISTILLED WATER Nozzle pressure: 3-4 bar Nozzle diameter: 1.7 mm
The application must not exceed 50-60 µm dry per coat.	
HARDENING	
Firing at 120°C: 30-40' [depending on the greatness of the substrates to be painted].	



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SURFACES PREPARATION
IDROSOL SMALTO can be applied directly on ferrous metal substrates or on a suitable anticorrosive primer. The surfaces to be treated must in any case be dry, clean and free of greasiness.
ENVIRONMENTAL CONDITIONS
The temperature of the substrate and exterior must be at least 3 degrees above dew point.
TOOLS CLEANINGS
Tools can be cleaned from the product not polymerised with ACETONE or WATER.
STORAGE
In a cool environment, away from direct exposure to sunlight, IDROSOL SMALTO is stable for at least 6 months.

The information given in this technical data sheet is indicative and based on our knowledge derived from experience and experimentation and can in no way constitute a guarantee. The purchaser/user decides independently on the suitability of the product for his own requirements in the context of the specific field of use. For safety information please refer to the relevant toxicological data sheet.