

TECHNICAL DATA SHEET

HYDRO RE 30

Waterbased glossy enamel

FEATURES Glossy enamel, mono-component, air-drying, suitable as a protective ferrous metal substrates exposed in interior and exterior. Characterized by excellent adhesion, hardness and flexibility is formulated based on modified synthetic resins dispersed in water and light-resistant pigments. Since it is waterbased, is particularly suitable for applications in poorly ventilated areas. It is formulated with raw materials selected for their low impact, reduced pollution and minimum emissions, so as to preserve the health and safety of users and people living in the environment.

TYPICAL USE It is suitable for the protection of iron artifacts new or undergoing maintenance subjected to particularly corrosive agents such as carpentry, fixtures, railings, barges, tanks or agricultural equipment in rural, marine and industrial. The thickness recommended for effective protection is established on the basis of the aggressiveness of the environment. It should be applied on artifacts previously treated with anti-rust. In the case in which the product has been stored at low temperatures it is recommended to take at least 15 ° C before proceeding to the application. The preheating of the product to about 30 ° C, gave good results by improving the coverage of the edges and avoiding sagging. The product is suitable for the forced drying tunnel and hot air at 35 ° C to 50 ° C.

PROPERTY OF THE PRODUCT	DESCRIPTION	VALUE	METHOD
	Working temperature	<+80 °C	
	Solid by volume	50±2%	

SPECIFICATION DATA	VALUE	METHOD
Specific weight	1000-1150 g/l	Internal PF3
Gloss level 60°	>85	Internal PF6
Drying Time	Fully 24 h	Internal PF2

THICKNESS AND COVERAGE	Minimu m	Maximum	Recommended
Thickness of dry film, µm	40	70	50
Thickness of wet film, µm	80	140	100
Theoretical coverage, m²/l	12,5	7.1	10
Theoretical coverage, m²/kg	11.6	6.6	9.3

SHELF LIFE 1 year if stored in its original and unopened can at a temperature between +5°C and +30°C.

COLOUR RANGE As K7 colour sampler. Between one production and the other, tint may be slightly different, it is therefore important to finish the job with the same batch.

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SURFACE PREPARATION	Considerazioni generali: La superficie deve essere asciutta e pulita da inquinanti di varia natura come sporco, olio, grasso e sali.		
	Superfici rivestite <i>Con primer:</i> se pulito ed esente da sporco, olio, grasso, sali ed asciutto, e la sovrapposizione rientra nel tempo massimo di ricopertura del primer può essere verniciato. Se è necessaria la pulizia eseguire lavaggio ad alta pressione grado Wa 2 (superficie esente da olio, grasso, sali, sporco). <i>Con rivestimento completo:</i> se compatibile integro e non sfarinante eseguire pulizia da olio, e grasso con detergenti, eseguire quindi carteggiatura superficiale seguita da lavaggio ad alta pressione per eliminare polvere e sali. <i>Rivestimento arrugginito:</i> eseguire preparazione meccanica St2 o St3 seguita da lavaggio ad alta pressione per eliminare olio, grasso, polvere e sali. <i>Manutenzione localizzata:</i> eseguire preparazione meccanica St2 o St3 seguita da lavaggio ad alta pressione per eliminare olio, grasso, polvere e sali. Arrotondare i bordi della pittura ben ancorata e ripristinare il sistema negli strati e spessori originali.		
TOOLS	Conventional spray, airless, roller, brush.		
APPLY	Thinning	0-5% with water	
	Conditions of application	+15°C +40°C >3°C at dew point Relative humidity:<65%	
	Application by airless	Nozzle pressure:15 MPa (150 kp/cm², 2100 psi). Nozzle: 0,28 - 0,38mm (0,011 - 0,018") Angle range; 40 - 80° Air pressure: Compression ratio 30:1 (pressure 150-180 kg/cm²)	
	Application by conventional spray	Nozzle: 1,6 – 1,8mm Angle range; 30 - 50° Air pressure: 3,5-4 kg/cm²	
DRYING TIMES	Dry time are purely indicative as it might be longer or shorter by keeping in consideration ventilation, humidity, thickness of the applied film. It is also important that the room is ventilated, to facilitate water evaporation.		
	Surface temperature	23°C	50°C
	Out touch	45'	15'
	Dry to touch	5h	45'
	Full	24h	3h
	Minimum time of over application	5h	1h

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RECOMMENDED UNDERCOATS Hydro Primer 15, Hydro Epox 40

RECOMMENDED SYSTEM	Atmosphere C2 Product	Coats	Wet Thickness	Dry thickness
	Hydro Primer 15	1	120	65
	Hydro RE 30	1	100	50
	Total	2	220	115

POSSIBLE SYSTEMS	Product	Coats	Wet Thickness	Dry thickness
	Hydro Primer 7	1	120	65
	Hydro RE 30	1	100	50
	Total	2	220	115

INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. The specification data and technical information have been calculated at +23°C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system may vary.

This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample.