

TECHNICAL DATA SHEET

SSR IND TIPO M

Fast drying synthetic enamel

FEATURES Glossy enamel characterized by excellent gloss level, fullness, distension, low tendency to sag and fast drying. These features allow applications which guarantee a finish with uniform thickness, adequate coverage of the edges and a rapid execution of the painting. The dried enamel ensures good mechanical strength and weathering resistance.

USE It is used on undercoats resistant to overcoating with nitro thinner. It is suitable for decoration and protection from atmospheric agents in rural, marine or industrial environments (even with intense shades) of new structures or structures undergoing maintenance, eg industrial machinery, fixtures, railings, containers, agricultural and construction equipment based on iron supports, galvanized iron, aluminum, alloys, suitably pretreated. The application must take place in successive layers with wet film within 2 hours or on dry film after the drying period to the touch. The preheating of the product to about 30 ° C gave good results by improving the drying, the coverage of the edges and avoiding sagging. It can be catalyzed with 10% of MS polyurethane hardener to improve the stackability and resistance to overcoating. It is suitable for the forced tunnel drying in hot air at 40-50 ° C. The sanding dust and / or spraying and dried paint residues must not be accumulated because they cause spontaneous combustion.

PROPERTY OF THE PRODUCT	VALUE	METHOD
Working temperature	< +120 °C	
Flash point	27°C	
Solids by volume	55% ± 2	
VOC	415 g/l	

SPECIFICATION DATA	VALUE	METHOD
Specific weight	1000-1200 g/l	Internal PF3
Gloss	85 - 95	Internal PF6
Drying Time	Fully 12 h	Internal PF2

THICKNESS AND COVERAGE	Minimu m	Maximum	Recommended
Thickness of dry film, µm	40	80	60
Thickness of wet film, µm	73	146	109
Theoretical coverage, m²/l	13,7	6,9	9,2
Theoretical coverage, m²/kg	12,5	6,3	8,4

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

COLOUR RANGE The range of colours can be chosen in shades of RAL. Between one production and the other, tint may be slightly different, it is therefore important to finish the job with the same batch.

SURFACE PREPARATION **General considerations** The surface must be dry and clean from pollutants of various types such as dirt, oil, grease and salts.

Coated surfaces

With primer: if clean and free of dirt, oil, grease, salts and dry, and recoated part in a maximum of the primer coating can be over applied. If cleaning is necessary, perform high-pressure washing Wa 2 (surface free of oil, grease, salt, dirt).

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With complete coating: if undamaged compatible and non-chalky perform cleaning oil and grease with detergent, then perform surface sanding followed by pressure washer to remove dirt and salts.

Rusty coating: perform mechanical preparation St2 or St3 followed by a pressure washer to remove oil, grease, dust and salts or sandblasting Sa2 or Sa2,5;

Localized maintenance: perform mechanical preparation St2 or St3 followed by a pressure washer to remove oil, grease, dust and salt or sand blasting Sa2 or Sa2,5. Round off the edges of the paint well stuck and restore the system in the original layers and thicknesses.

TOOLS

Conventional or airless spray (with high temperatures and humidity 40% is possible the "dusting" formation, in these conditions it is preferable to use Diluente S 800), roller, brush.

APPLICATION

Thinning	Conventional or airless spray : 5-10% with Diluente nitro NV5000
Application conditions	Roller, brush: 5-10% with Diluente S 800 +5°C +40°C > 3°C to dew point Relative humidity: < 70%
Airless application method	Nozzle pressure: 15 MPa (150 kp/cm ² , 2100 psi.). Nozzle: 0,28 - 0,38mm (0,011 - 0,018") Angle range; 40 - 80° Air pressure: compression ratio 30:1 (pressione 150-180 kg/cm ²)
Conventional spray application method	Nozzle: 1,6 – 1,8mm Angle range; 40 - 80° Air pressure: 3,5-4 kg/cm ²)
Thinner for washing	Thinner Nitro NV 5000

DRYING TIME

The given data must be considered purely indicative. The actual drying time may be shorter or longer, taking into account the thickness of the film, ventilation and humidity. Higher film thickness per layer and unfavorable environmental conditions retard the drying and hardening in depth.

DTF 50 micron		
Surface temperature	10°C	23°C
Out touch	45'	30'
Dry to touch	12h	6h
Full catalysis	24h	12h
Minimum time of over application	45'	30'

RECOMMENDED FINISHINGS

Steel: resistant Synthetic overcoated with nitro
Steel: Galvanized Steel, Aluminum, Alloys: Adhesion primer

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RECOMMENDED SYSTEM	Industrial atmosphere			
	Product	coats	Wet thickness	Dry thickness
	Primer 15	1	95	60
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	SSR Ind TM	1	109	60
	Total	3	299	180

POSSIBLE SYSTEM				
	Product	coats	Wet thickness	Dry thickness
	Crometal T.A	1	100	65
	Crometal T.A	1	100	65
	SSR Ind TM	1	109	60
	Total	3	309	190

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.