

TECHNICAL DATA SHEET

Date of issue: 01.03.2013

Last updating:



SIRO S.r.l.

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Name:	CLEAR MATT SIROID	Category:	topcoat
Definition:	Nitroacrylic enamel	V.O.C. ready to use:	800 g/l
Code:	41.4.00008	Product outside the uses referred to	2004/42/CE

NATURE OF THE PRODUCT

One-pack matt enamel based on modified acrylic and nitrocellulose resins

GENERAL USES

Product for general use, specific for metal protection of brass, silver and galvanic surfaces.

APPLICATION METHOD

PREPARATION OF SURFACES

The cleaning of the application surface should be total and painstaking and it is a fundamental and necessary condition to obtain positive result of the painting cycle. This means that presence of grease and oils on the surfaces, is absolutely not allowed.

Remove all traces of grease, rust, moisture, fingerprints and polishes by degreasing with organic solvents

PREPARATION OF THE PRODUCT¹

Carefully mix until an even consistency is obtained. For standard airmix application dilute with our nitro thinner 07.001 at 40-60% to obtain a viscosity of 13-16" Ford 4 at 20°C.

APPLICATION²

Spray gun: nozzles of 1,4-1,6 mm. diameter and 3-5 atm. pressure.

TECHNICAL DATA

PRODUCT TYPE: One pack product.

APPEARANCE (ASTM D 523): matt (<25 gloss).

COLOURS: Transparent

SPECIFIC WEIGHT (ISO 2811): 0.95 ± 0.05 kg/l

SUPPLY VISCOSITY(DIN 53211) : 24" ± 4" Ford 4 at 20°C

SOLID ON VOLUME: 22 % (± 2%)

SOLIDS CONTENT: 21 % (± 2%)

DRYING AT 20°C	- Dust dry:	15-20 minutes
	- Touch dry:	40-60 minutes
	- Total hardening :	24 hours

¹ With a high level of humidity and low air ventilation, the film can do a thin white layer. To prevent this is useful to add a 2-4% of thinner 07.020 inside the product before application.

² Minimum temperature for the application: + 10° C.

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	- Forced drying ³	30 minutes at 60-80°C after 20 minutes of flash off
	- Maximum chemical resistance:	After 7 days
RECOMMENDED COATS:	Two or three	
THICKNESS:	10-15µm	
THEORETIC YIELD:	13 m ² /kg	
IMPACT TEST (ASTM D 2794):	25 kg direct and 20 kg reverse	
ADHESION (ASTM D 3359):	B= 5 on surfaces treated like above reported.	
CHEM. RESIST .⁴ (UNI EN ISO 12720):		
	Hydrochloric acid-HCl solut. 10%	vote 5 3 days
	Acetic acid solut. 10%	vote 5 3 days
	Mix of NaCl 10%, Lactic acid 5%	vote 5 3 days
OVERCOATING:	The product can be overcoated with himself.	
STORAGE STABILITY:	One year stored in closed packs, in a cool, dry place, away from any sources of heat.	

³Baking the product can produce the popping effect, to avoid this is better a flash-off time of 30'-60' before put the paint to dry in the oven

⁴ The quality of chemical resistance goes from a value of 5 (means optimum) to 1 (means not good). For further information please contact Siro's technical service.