

TECHNICAL DATA SHEET

Date of issue: 26/06/2015

Last updating:



SIRO S.r.l.

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Name:	SIROID SEMIGLOSS	Category:	Top coat
Definition:	Nitroalkyd enamel	V.O.C. ready to use:	660 g/l
Code:	42.2.K7	Product outside the uses referred to	2004/42/CE

NATURE OF THE PRODUCT

Semigloss enamel based on nitroalkyd resins

GENERAL USES

Product for general use, machines tools, agricultural machines, etc.

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, oils, dirt, rust and calamine on the surfaces, is absolutely not allowed.

Ferrous surfaces: SA2 sanding or very careful mechanical cleaning followed by degreasing using thinners. Apply a coat of primer SIRNOX N 79.4, 79.2 or 79.0. Within 24 hours after the primer application, apply one or two coats of nitro synthetic enamel.

PREPARATION OF THE PRODUCT

Carefully mix until an even colour and consistency are obtained. For standard airmix application dilute with our nitro thinner 07.001 or 07.002 at 30-40% to obtain a viscosity of 20"±2" Ford 4 at 20°C.

APPLICATION

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

Airless. nozzle 0,09 inches, 120-150 bar (the dilution will be lower or none with this type of application)

TECHNICAL DATA

PRODUCT TYPE: One pack product.

APPEARANCE (ASTM D 523): Semi-gloss (50-70 gloss according to the formulated colour).

COLOURS: By request (the binder 42.2.K7 has to be used in a ratio 80/20 with the tinting system tinters)

SPECIFIC WEIGHT (ISO 2811): 1.05 ± 0.05 kg/l

SUPPLY VISCOSITY(DIN 53211): 30"-60" Ford 4
:

SOLID ON VOLUME: 42 % (± 2%)

SOLIDS CONTENT: 45 % (± 2%)

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DRYING AT 20°C	- Dust dry:	15-20 minutes
	- Touch dry:	2-3 hours
	- Total hardening :	24 hours
	- Maximum chemical resistance:	After 7 days

RECOMMENDED COATS: Two or three

THICKNESS ¹: 20-30µm

THEORETIC YIELD ²: 12 m²/kg

IMPACT TEST (ASTM D 2794): 25 kg direct

ADHESION (ASTM D 3359): B= 5 on surfaces treated like above reported.

OVERCOATING: The product can be overcoated after 1-2 hours with himself.

STORAGE STABILITY: One year stored in closed packs, in a cool, dry place, away from any sources of heat.

¹ Considering a dry film.

² The theoretical yield has been calculated for the thickness suggested and over plane and regular surfaces.