

TECHNICAL DATA SHEET

Date of issue: 30/07/2009

Last updating: N°1 13/09/2012



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Name: **SIROID MATT**

Definition: **Nitroalkyd enamel**

Code: **41.4/42.4**

Category: **Top-coat**

V.O.C. ready to use: **630 g/l**

Product outside the uses referred to
2004/42/CE

NATURE OF THE PRODUCT

One-pack matt enamel based on nitroalkyd resins

GENERAL USES

Product for general use typically used to coat iron manufactures, interior design, machine tools and special parts in car refinishing.

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.

- Ferrous surfaces. SA2 1/2 sandblasting or very careful mechanical abrasion followed by degreasing using thinners, then proceed with the application of a coat of primer SIRNOX N 79.2 o 79.4 or a primer that can be over painted with a nitro system. When the air-drying of the primer is complete, proceed with the application of the topcoat.direct

PREPARATION OF THE PRODUCT

Carefully mix until an even colour and consistency are obtained. For standard airmix application dilute with our nitro thinner 07.002 or 07.001 in a percent of 40-50% in order to have a final viscosity of 20"-22" Ford 4 at 20°C..

APPLICATION¹

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

Brush/roller Only for small surfaces

TECHNICAL DATA

PRODUCT TYPE: One pack product.

APPEARANCE²
(ASTM D 523): Matt (10±5 gloss).

COLOURS: By request

SPECIFIC WEIGHT
(ISO 2811): 1,05 ± 0.05 kg/l

SUPPLY

VISCOSITY(DIN 53211) 30" Ford 8 a 25°C (± 5")
:

¹ Minimum temperature for the application: + 10°C.

² With an 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.

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SOLID ON VOLUME: 43 % ($\pm 2\%$)

SOLIDS CONTENT: 45% (± 2)

DRYING AT 20°C - Dust dry: 15-20' - Touch dry: 40'-1 hours

- Total hardening : 18-24 hours - Forced drying³ 30' at 60°C

- Maximum chemical resistance: After 7 days

RECOMMENDED COATS: One

THICKNESS⁴: 20-30 μ m

THEORETIC YIELD⁵: 12 m²/kg

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

REPAINTING⁶: The product can be repainted after 1-2 hours with himself.

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

³ Baking 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 Considering a dry film.

⁵ The theoretical yield has been calculated for the thickness suggested and over plane and regular surfaces.

⁶ The solvent must be completely flash-off from the film. Preliminary tests are necessary.