

TECHNICAL DATA SHEET

Date of issue: 26.07.2010

Last updating:n°1 29.07.2016



Name:	GLOSSY SIROLUX	Category:	Top coat
Definition:	Quick air drying enamel	V.O.C. ready to use*:	550 g/l
Code:	76.1	Product outside the uses referred to 2004/42/CE	

* considering the product applied without dilution

NATURE OF THE PRODUCT

Quick air drying top coat based on alkyd air drying resins

GENERAL USES

Agricultural machines, industrial carpentry, iron manufactures, containers, 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.

The product shows direct adhesion on iron without a previous primer application. For adhesion on other kind of metals, or to improve corrosion resistance, it is better to use a primer.

- Ferrous surfaces. Remove all traces of rust carefully, oil ed humidity, by very careful mechanical cleaning, followed by degreasing using thinners. Apply a coat of primer as our Sirnox N – cod. 79.2 or 79.4. When the air drying of the primer is complete, proceed with the application of the top coat. For cheep applications, the product can be used at direct adhesion.
- Aluminium. Chromate or phosphorous chromate treatment or in alternative sanding procedure followed by degreasing using thinners. Apply epoxy primer 29.3 or primer Sirodour 49.9.60117.
- Galvanized sheet. Delicate sanding followed by degreasing using thinners. Apply epoxy primer 29.3 or primer Sirodour 49.9.60117.

PREPARATION OF THE PRODUCT

Carefully mix until an even colour and consistency are obtained. Dilute with our nitro thinner 07.002 or synthetic thinner 07.005 in a percent max of 10% to reach a viscosity of 20-25" Ford 4 at 20° C. The product can be applied also without dilution.

APPLICATION

Spray gun: nozzles of 1,4-1,7 mm. diameter and 3-5 atm. pressure.

Roller or brush¹: Only for large surfaces

TECHNICAL DATA

PRODUCT TYPE: One pack product

FILM APPEARANCE Glossy, 90±5 gloss at 60°
(ASTM D 523):

COLOURS: On request (by using the binder 76.1.K2 in a ratio of 80/20 with the tinters of the solvent base tinting system)

SPECIFIC WEIGHT 1,04 kg/Lt (± 0,06)
(ISO 2811):

SUPPLY VISCOSITY 8" Ford 8 at 20°C (± 2")
(DIN 53211):

¹ You may need Antifoam additive 03.009 in order to avoid bubble formation whilst using these tools.

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Name: GLOSSY SIROLUX **Category:** Top coat
Definition: Quick air drying enamel **V.O.C. ready to use*:** 550 g/l
Code: 76.1 **Product outside the uses referred to 2004/42/CE**

* considering the product applied without dilution

SOLID ON VOLUME: 41% ($\pm 2\%$)

SOLIDS CONTENT: 42% ($\pm 2\%$)

DRYING AT 20°C

- Dust dry: 20-30'
- Touch dry: 5-6 hours
- Total hardening : 24-36 hours
- Forced drying 30' at 60°C
- Maximum chemical resistance: After 10 days

RECOMMENDED COATS: One crossed coat

THICKNESS²: 40-60 μm

THEORETIC YIELD³: 10 m²/Kg

SALT SPRAY TEST (ASTM B 117): On direct adhesion with 50 μm dried film thickness, 200 hours, on cycle with primer 79.2 and a final thickness of 120 μm , it goes over 500 hours

IMPACT TEST (ASTM D 2794): 36kg direct, 15 kg inverse

ADHESION (ASTM D 3359): B=5, optimal on iron, aluminium and zinc plated prepared like above specified

YELLOWING (ASTM D 4587): $\Delta E < 6$ after 500 hours

CHEM. RESIST.⁴ (UNI EN ISO 12720):

Hydrochloric acid-HCl 10% solut.	vote	4	7 days
Nitric acid-HNO ₃ 10% solut.	vote	1	7 days
Sulfuric acid-H ₂ SO ₄ 10% solut.	vote	4	7 days
Acetic acid 10% solut.	vote	4-3	7 days
Mix of NaCl 10%, Lactic acid 5%	vote	4	7 days
Synthetic sweat	vote	5	7 days
Hydrogen peroxide 35%	vote	1	7 days
Ammonia 30% solut.	vote	4	7 days
Sodium hydroxide 10% solut.	vote	1	7 days
Acetone	vote	4-3	7 days
Cyclohexanone	vote	1	7 days
Solvello 100	vote	5-4	7 days

² Considering a dry film.

³ The theoretical yield has been calculated for the thickness suggested and over plane and regular surfaces.

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.

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Category:

Top coat

Definition: Quick air drying enamel

V.O.C. ready to use*:

550 g/l

Code: 76.1

Product outside the uses referred to 2004/42/CE

* considering the product applied without dilution

Ethyl acetate	vote	4	7 days
Ethanol	vote	4-3	7 days
Synthetic oil	vote	4	7 days
Idraulic oil	vote	5	7 days
Transmission oil SAE 30	vote	5-4	7 days
Engine oil 15W40	vote	5	7 days

REPAINTING:

Wet on wet within 3 hours or after complete hardening of the film. After this period, the product can move the film yet applied, for this reason one coat application is suggested.

**STORAGE
STABILITY:**

One year for product stored in closed packs, in a cool, dry place, away from any sources of heat.