

TECHNICAL DATA SHEET

Date of issue: 26/02/2021

Last updating: n.



SIRO S.r.l.

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Name:	SIROFLEX OFM	Category:	high performances one-pack paint
Definition:	Vinyl micaceous iron binder	V.O.C. limit:	500 g/l
Code:	78.8.OFMC	V.O.C. ready to use:	< 500 g/l
Product according to 2004/42/CE			

NATURE OF THE PRODUCT

Enamel based on micaceous iron oxide, vinyl copolymers and suitable plasticizers with high weather resistance. In BINDER format, for the preparation of colours with TINTERS of the SIROMIX Tinting System. Suitable for direct applications on iron and galvanized sheet.

GENERAL USES

Specific product for the Do-It-Yourself Line. Decorative enamel to protect or renovate metal furniture items, light metalwork, products made of iron, galvanized and aluminium.

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.

- Ferrous metal surfaces: carefully remove any trace of rust, calamine, grease and humidity from the surface by mechanical cleaning of the support and subsequent degreasing with aqueous solutions of surfactants or with organic solvents.

The product can be applied with direct adhesion or after applying a primer of the **PREMIERE** series. After about 24 hours, apply the **SIROFLEX OFM** topcoat.

- Surfaces in aluminium or galvanized sheet: clean the surface by removing any oxidized parts using fine-grained scotch-brite paper, then degrease with aqueous alkaline solutions or specific solvent. The product can be applied with direct adhesion, but for particularly difficult surfaces, it is possible to obtain maximum adhesion properties by applying a coat of MONODOUR WHITE primer, (code 49.9.90130), overpainting it quickly with **SIROFLEX OFM** waiting a maximum of 30 minutes-1 hour.

PREPARATION OF THE PRODUCT

Carefully mix until an even colour and consistency are obtained. Dilute with synthetic thinner 07.005 at 5%.

APPLICATION

Brush/roller Maximum dilution at 5% with synthetic thinner 07.005.

TECHNICAL DATA

PRODUCT TYPE:	One pack product
APPEARANCE (ASTM D 523):	Semigloss (about 50 gloss).
COLOURS:	By request, according to the MICACEOUS IRON COLOURS CARD. The binder SIROFLEX OFM has to be used in a binder/tinters ratio 95:5 by weight with the tinters of the SIROMIX tinting system.
SPECIFIC WEIGHT (ISO 2811):	1.25 ± 0.05 kg/l

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SUPPLY VISCOSITY(DIN 53211) : 18" $\pm$ 3" Ford 8

SOLID ON VOLUME: 44% ($\pm$ 3%)

SOLIDS CONTENT: 55% ($\pm$ 2%)

DRYING AT 20°C

- Dust dry: 20-30 minutes
- Touch dry: 2-3 hours
- Total hardening: 24 hours
- Forced hardening: 30 minutes at 60° C
- Maximum chemical resistance: After 14 days

RECOMMENDED COATS: One or two coats

THICKNESS: 40-50 μ m

THEORETIC YIELD: 6-8 m²/kg

ADHESION (ASTM D 3359)¹: B=5 on surfaces treated like above reported.

REPAINTING: The product can be repainted wet on wet, within 4-6 hours or after 24 hours from the first coat.

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

¹ The evaluation of adhesion varies from a value of 5 = excellent, to a value of 0 = very bad; for more information contact the SIRO SRL technical service.