

TECHNICAL DATA SHEET

Date of issue: 25/07/2011

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Name:	PREMIERE FERROMICACEOUS	Category:	high performances monocomponent paint
Definition:	Synthetic enamel	V.O.C. limit:	500 g/l
Code:	37.3.OFM	V.O.C. ready to use:	500 g/l
Product according to 2004/42/CE			

NATURE OF THE PRODUCT

One-pack semimatt anticorrosion enamel based on synthetic resins.

GENERAL USES

Product for general use, furnishing, furniture, fixtures, metal, machines tools, fences, frames, 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.

Ferrous surfaces: SA2 sanding or very careful mechanical cleaning followed by degreasing using thinners. Apply a coat of primer SIRNOX N 79.2 o 79.4. When the air-drying of the primer is complete, proceed with the application of the topcoat. When it is not requested a particular high outdoor resistance, the product can be applied with direct adhesion.

Galvanized sheet. Delicate sanding (with scotch brite paper) followed by degreasing using thinners. Then proceed with the application of a 2k epoxy primer like our 29.3 or a 1k wash primer like our Sirodour 49.9 (for this degreasing process is enough). After 24 hours for epoxy primer or 30'-1 our for wash primer, overcoat with 37.3.OFM (the epoxy primer has to be scratched before overcoat).

Aluminium. is useful apply a coat Sirodour 49.9.60117 as adhesion promoter.

Wood: apply an appropriate polyurethane primer in one or two coats. After drying scratch it with 180/220 grade abrasive paper and the overcoat with 37.3 in one or two coats.

PREPARATION OF THE PRODUCT

Carefully mix until an even color and consistency are obtained. Dilute with our thinner 07.008 or 07.005 in a percent of 5-15%.

APPLICATION¹

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

Brush/roller Suggested dilution with 07.008 to optimize the levelling behavior

TECHNICAL DATA

PRODUCT TYPE: One pack product

APPEARANCE (ASTM D 523)²: Semimatt (35±10 gloss).

COLOURS: Bv request (the binder .37.3.OFM has to be used in a ratio 95/5 with the tintometric

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

² With an high level of humidity and low air ventilation, the drying time could be longer.

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	system tinters)
SPECIFIC WEIGHT (ISO 2811):	1.45 ± 0.05 kg/l
SUPPLY VISCOSITY(DIN 53211) :	12" ± 2" Ford 8
SOLID ON VOLUME:	A + B 52% (± 2%)
SOLIDS CONTENT:	A + B 76% (± 2%)
DRYING AT 20°C	- Dust dry: 30' - Touch dry: 7-8 hours - Total hardening : 24-36 hours - Forced drying - Maximum chemical resistance: After 7 days
RECOMMENDED COATS:	One or two
THICKNESS ³:	30-50µm
THEORETIC YIELD ⁴:	10 m ² /kg
SALT SPRAY TEST (ASTM B 117):	for a dry film thickness of 80-100µm on direct adhesion on iron, 250 hours. For the cycle primer 79.2 plus top coat 37.3 for a final film thickness of 120µm, 1000 hours.
IMPACT TEST (ASTM D 2794):	36kg direct on scratched iron
ADHESION (ASTM D 3359):	B=5 on surfaces treated like above reported.
REPAINTING⁵:	The product can be repainted wet on wet or behind 4-6 hours with himself. Otherwise wait 2-3 weeks before overcoat. Use only thinners based on white spirit or with a low content of aromatics
STORAGE STABILITY:	One year, stored in closed packs, in a cool, dry place, away from any sources of heat.

³ Considering a dry film.

⁴ The theoretical yield has been calculated for the thickness suggested and over plane and regular surfaces.

⁵ The solvent must be completely flash-off from the film. Preliminary tests are necessary.