

BIOFER

Satin-like modified acrylic coating



DEFINITION

Single-component soft coating.
Waterborn
Satin-like finish.

INTENDED USES

Coating used for the painting of :
- Pre-lacquered siding,
- Piping,
- Metallic frame structures,
- Pylons, etc...

PRINCIPAL CHARACTERISTICS

- Good adherence to ferrous metals, light alloys, copper, aluminium, and pre-prepared galvanised steel.
- Very good elasticity, enable to adapt to expansions of the surface.
- Good resistance to UV and bad weather.

Provides good corrosion protection by its waterproof properties, and by anticorrosive pigment chromate-free.

Applicable from 80 to 400 µm with no dripping.

Over 20?000 colour tints possible with our ?Building? tinting machine system.

TECHNICAL DATA

Gloss level	: Satin
Colours	: According to colour models RAL / AFNOR / 1
Number of components	: 1
Specific gravity	: 1,35 +/-0,05 g/cm ³
Solids volume	: 57,0 +/-3%
Solids weight	: 67,0 +/-2%
Typical thickness (dry)	: 200 µm
Typical thickness (wet)	: 340 µm
Theoretical spreading rate	: 2,1 m ² /kg for 200 µm dry



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INSTRUCTIONS

SURFACE PREPARATION

New steel « heavy duty use »

Abrasive blast cleaning at Sa 2 1/2 according to ISO 8501-1: 2007

Roughness profile

Mid G according to ISO 8503-2 (Ra 10-12,5 µm)

Galvanized steel

- New : grease removal and pickling with METONET followed by clear water rinsing.

- Old : grease removal, mechanic brushing until a complete removal of zinc salts.

Old coating

BIOFER may be used to cover previous/old coatings as long as the coating is still in good state. In any case, a suitability test must be carried out (application followed by an adherence test after complete drying) in order to validate the suitability of the products and the preparation of the chosen surface.

APPLICATION

Substrate temperature : Between +10°C and +40°C and at least 3°C higher than the dew point in order to eliminate any risk of condensation.

Weather conditions : The temperature should be between 10°C and 40°C
The relative humidity should be between 0% and 75%

AIRLESS SPRAY

Thinner : water

Dilution : 0-5%

Nozzle : 0.019 -0.021

Pressure at nozzle : 150-200 bars

AIR SPRAY

Not advised

BRUSH

Thinner : water

Ready to use

ROLLER

Thinner : water

Ready to use

CLEANING SOLVENT : water



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CURING TIME

Temperature	Drying time		Overcoating interval	
	Touch dry	Hard dry	Minimum	Maximum
10°C	4 hours	24 hours	36 hours	Not critical
20°C	2 hours	12 hours	24 hours	Not critical
30°C	1 hour	6 hours	12 hours	Not critical

COMPATIBILITY

Previous coat(s) MONOPRIMER 58-86, FERROSOTER PRIMAIRE, EPODUX PRIMER 61-134 v01 (recoated before 24h of dry)...

Subsequent coat(s) Itself or STRIACRYL "O".

REGULATORY SPECIFICATIONS

AFNOR RATING AFNOR NFT 36 005 rating Family I Class 7b2

VOC (Directive 2004/42/EC) EU limit value for this product (cat. A/i) : 140 g/l (2010)
This product contains max 60 g/l VOC

HEALTH AND SAFETY

Flash point Not relevant

Transport and labelling Refer to the safety data sheet established as per applicable European directives

Shelf life 2 years minimum in original full, sealed packaging. Store away from freezing and high temperature.

Precautions Refer to the current material safety data sheet

PACKAGING

Packaging
15 l