

SAN MARCO

is a brand of
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Saturno

ANTICORROSIVE PAINT BASED ON ZINC PHOSPHATE



SERIES 191

SATURNO - V.2024-09-23

DESCRIPTION

SATURNO is an anticorrosive primer for metalwork, with a modified alkyd resin base. The product features good anticorrosive power obtained thanks to the barrier effect of the pigments making up the product which protects the metal. SATURNO adheres well to the surface, and features excellent flow and elasticity.

INSTRUCTIONS FOR USE

The product can be applied on ferrous metals:
Surfaces made of iron and light alloys, whether new, old or previously painted.
Metal articles such as gates, railings, metal window frames, etc..
Metal structural work located in industrial contexts, such as railings, parapets, stairs, metal panels, etc..
COATABILITY after 16 hours with:
Synthetic enamels (GLOBAL LUCIDO or GLOBAL SATINATO, SINTOLIN) and UNIMARC Water-based enamels
The product can NOT BE PAINTED OVER with nitrocellulose-based products, or products thinned with nitro thinner.

TECHNICAL SPECIFICATIONS

- Nature of the binder: modified alkyd resins
- Solvents: mix of aliphatic hydrocarbons
- Specific gravity per UNI EN ISO 2811-1: 1.40-1.50 kg/l (depending on the colour)
- Viscosity per UNI 8902: 700 ± 50 cps (Rotathinner rotational viscometer at 25 °C)
- Drying (at 25 C and 65% R.H.): dust free in 3 hours; to touch in 6 hours; to recoat after 16 hours.

PREPARING THE SURFACE

Ferrous metalwork never previously painted:
- Remove any compact and adherent calamine and all traces of rust by means of commercial-type sandblasting (Grade SA2), or clean mechanically or manually.

In order to neutralize any rust in awkward areas, use the RUGISTOP converter 5900100.

- Dust the surface, make sure it is completely dry and apply SATURNO.
- In the case of new surfaces which do not feature calamine or rust, simply remove any grease from the surface using cleaning thinner.

Painted ferrous metalwork:

- Remove any layers of old flaking paint and any rust by means of mechanical or manual cleaning, rub down in order to coarsen any old paint which is still perfectly adherent. In order to neutralize any rust in awkward areas, use the RUGISTOP converter 5900100.
- Remove dust from the surface.
- Apply SATURNO on perfectly dry surfaces.
- In the case of considerably deteriorated surfaces, it is advisable to remove any old paint and rust completely by means of grade SA2 1/2 sandblasting, or using the SVERNICIATORE SM10 paint remover cod. 5610014 followed by careful mechanical or manual cleaning.
- Any surfaces sandblasted down to reveal the original shine of the metal must receive their base coat of SATURNO after no more than 8 hours.

APPLICATION INSTRUCTIONS

Air and surface conditions:

Air temperature: Min. +5 °C / Max. +35 °C.

Relative humidity of the air: <80%.

Temperature of the surface: Min. +5 °C / Max. +35 °C.

Humidity of the surface: <10% R.H..

- Avoid applying the product when there is condensation on the surface, or in direct sunlight.

- Tools: brush, roller, spraying and airless.

- Stir the product thoroughly before thinning.

- Thinning: with White spirit 5200010 or Synthetic thinner 5210011

- . by brush or roller up to 3%

- . by spraying up to 8%

- By airless, adjust thinning according to the type of unit and nozzle used.

- N coats: 2

- Tools should be cleaned using White spirit 5200010 or Synthetic thinner 5210011 immediately after use.

- Indicative spreading rate: 5-6 sq m/l based on 2 coats, corresponding to a dry film 60 microns thick.

COATABILITY after 16 hours with:

Synthetic enamels (GLOBAL LUC. or GLOBAL SATINATO, SINTOLIN)

Water-based enamels UNIMARC

The product can NOT BE PAINTED OVER with nitrocellulose-based products, or products thinned with nitro thinner.

In the case of painting over SATURNO some time after its application, it is advisable to sand down lightly in order to coarsen the surface.

TINTING

The product is available in the colours grey, red oxide and minium orange.

STORAGE

Maximum temperature for storage stability: +30 °C

Minimum temperature for storage stability: +5 °C

The product should be preferably used within 3 years from date of manufacture when stored in original unopened containers and in appropriate temperature conditions.

SAFETY RULES

Limit value EU (Dir. 2004/42/EC)

Cat. A/i: One-pack performance coatings (sb): 500 g/l (2010)

The product contains max: 500 g/l VOC

Flammable.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; after use, do not litter, let residues dry out completely and treat them as special waste. Consult the safety data sheet for additional information.

SPECIFICATION ITEM

Applications, on preprepared metalwork, of SATURNO Anticorrosive paint series 191 based on zinc phosphate and modified alkyd resin - with at least 2 coats for a minimum consumption of 170 ml/sq m.

Supply and application of the material €. per sq m.