

IRONic

Decorative coating for interiors and exteriors with rust effect

GENERAL FEATURES

IRONic is a water-based system consisting of a base coat (**IRONic Fondo**) and an oxidative finish (**IRONic Liquido Antichizzante**). The application of **IRONic Liquido Antichizzante** on **IRONic Fondo** produces an oxidative effect exactly alike the effect of an iron surface exposed to atmospheric agents' natural corrosion. The surfaces decorated with **IRONic** are dynamic and the aesthetic can change over time.

USES

IRONic draws the line between tradition and innovation.

With its decorative system based on polymers it is possible to achieve different oxidation effects, taking into account the clients requests.

With different application procedures, **IRONic** can be used over:

- Mortars
- Pre-mixed, new fine plasters
- Pre-existing lime plasters
- Gypsum boards
- Pre-existing synthetic and mineral paints
- Various absorbent mineral conglomerates.
- Various chipboard, plywood, MDF, wood surfaces.
- Polyvinyl chloride substrates
- Zinc plated steel substrates
- Iron substrates
- Fibrocement

Do not apply over fresh mineral substrates. The high alkalinity of the substrate hinders the oxidation process of the rust activator, **IRONic Liquido Antichizzante**. Do not apply on wet substrates.

IDENTIFICATION FEATURES

Binder: Copolymer in water dispersion

Density:

IRONic Fondo: 1,94 +/- 0,05 g/ml

IRONic Liquido Antichizzante: 1,04 +/- 0,05 g/ml

Indoor Air Quality classification: A+

WARNING

Mix thoroughly the material before use. Protect all surfaces in order to prevent accidental contact with **IRONic Liquido Antichizzante** and therefore oxidation.

The accidental contact of **IRONic Liquido Antichizzante** with porous substrates (stone, marble, plaster, etc.) will produce stains that are not easy to remove.

The final effect directly depends on the number of layers, the quantity and the tool used to apply **IRONic Liquido Antichizzante**.

Being a chemical reaction, the final effect of the oxidation can be barely standardised.

It is possible to apply **IRONic Liquido Antichizzante** with a sponge brush or with a sponge roller.

It is advisable to previously prepare a sample in order to define the desired effect.

It is advisable to make a previous sample, in order to define the requested effect.

The application of **IRONic** on low absorbent substrates (iron, polyvinyl chloride, metal sheet, enamels) could involve longer drying times.

In that case, it is advisable to verify the drying degree on the substrate before proceeding with the application of the further substrates.

In the applications in exterior surfaces, the contact with atmospheric agents, could origin drippings or "bleedings" typical of the oxidated finishes. Therefore, it is advisable to avoid the application close or in direct contact with porous and absorbent surfaces that could get stained.

SUBSTRATE PREPARATION

(Riferita a condizioni ambientali T=25° C, UR=60%)

La superficie deve presentarsi asciutta e priva di polvere, untuosità superficiali e macchie di sali di umidità.

(Environnemental conditions T=25° C, UR=60%)

The substrate must be perfectly dry, dust-free, with no humidity and salt stains.

If required, continue with the preparation operations, according to the nature of the substrate, using specific products.

In case of mould, treat the surface with suitable specific anti-mould products.

Brush or remove any efflorescence and any old peeling paint. Higher layers of old lime-based paint and tempera paint must be removed washing them out with a pressure washer or wetting the surface and scraping the layers properly.

Brush out dust, smog or other deposits before the application.

Send and clean the surface and continue:

Substrate	Primer – Base coat
Mortar	1 layer Decofix
Pre-mixed, new fine plasters	1 layer Decofix
Pre-existing lime plasters	1 layer Decofix
Pre-existing synthetic or mineral paints	1 layer of Decofix or Fondo Universale
Various absorbent mineral conglomerates.	1 layer of Decofix or Fondo Universale
Gypsum boards	1 layer of Decofix or Fondo Universale
Various chipboard, plywood, MDF, wood surfaces	1 layer Fondo Universale
Polyvinyl chloride substrates	1 layer Fondo Universale
Zinc plated steel substrates	1 layer Fondo Universale
Iron substrates	-
Fibrocement	1 layer of Decofix or Fondo Universale

APPLICATION TOOLS

Decofix (used as primer): brush or short-nap roller.

Fondo Universale: brush, short-haired roller, spray

IRONic Fondo: brush, roller

IRONic Liquido Antichizzante: sponge, brush, sponge roller

Decofix (as sealer): short-haired roller

2Screen: mohair roller for parquet or roller for enamels.

PREPARAZIONE DEI PRODOTTI

PRODUCTS PREPARATION

Fondo Universale: for brush and roller application, dilute with 5-10% of water. For spray application, dilute with 15-20% of water.

IRONic Fondo: dilute with 25-35% of water, for both the first and second layer.

IRONic Liquido Antichizzante: ready to use.

Decofix: dilution 1:3 with water in order to protect the interiors from dust

2Screen: dilute the first and the second layer with 5% of water maximum.

SUBSTRATE PREPARATION AND APPLICATION

(Ref. to environmental conditions T=25° C, UR=60%)

On dry and previously treated substrate, apply a layer of diluted **IRONic Fondo**.

After at least 4 hours apply another layer of diluted **IRONic Fondo**.

After at least 12 hours, apply one coat of **IRONic Liquido Antichizzante**, using the respective tools.

In order to increase the oxidation, process a further layer of **IRONic Liquido Antichizzante** every 2 hours would be recommended.

After 2 hours at least apply one layer of **IRONic Liquido Antichizzante**, dabbing the surface with a marine sponge.

In order to increase the oxidation, process a further third layer of **IRONic Liquido Antichizzante** would be recommended.

Before continuing with the surface protection, it is advisable to wait at least 48 hours from the last oxidation phase, accordingly to the kind of substrate, its absorption and environmental conditions.

The application of **Decofix** and of **2Screen** slightly modifies the aesthetic aspect of the surface. It is recommended to make a trial test to evaluate the aesthetic effect.

The protection offers a reduction on chalking walls and a good water resistance.

The aesthetic effect, even if protected, can change along the time.

The ideal performance is reached 5 days after the protection application.

PROTECTION OF THE INTERNAL SURFACES

To reduce the typical and natural chalking of the oxidized surface, apply a layer of **Decofix** diluted with 1:3 of water.

Before continuing with the application, it is necessary to remove the typical and natural chalking of the product.

Before the application of **Decofix**, brush the surface gently with a clean and dry brush

Apply a thin layer of **Decofix** diluted, using a short-haired roller.

Such protected surfaces assume a slight variation in different tones, accordingly to the quantity of **Decofix** applied.

To give the surface more protection, it is possible to apply, as an alternative, one or more layers of **2Screen**.

Touch dry in 2 hours approx. Coatability in 4 hours.

EXTERNAL SURFACES PROTECTION

The external surfaces in **IRONic must be protected**.

Before continuing with the application, it is necessary to remove the typical and natural chalking of the product.

Brush the surface gently with a clean and dry brush.

On completely dry surface, apply with a roller two layers of **2Screen**.

Touch dry in 2 hours approx. Coatability in 4 hours.

RECOMMENDATION

The material must be protected from cold and high heat during the entire application cycle.

Do not apply with air, support and product temperature lower than +10°C or higher than +35°C, nor under direct sun light, nor over extremely hot surfaces (even if already in the shadow). Environmental humidity must be <75%; substrate humidity must be <10%.

It is advisable to complete each project with material from the same batch of production.

For the correct use, dilution and application of the products here mentioned, consult their respective technical data sheets.

During the preparation of the substrate and application of the products, it is recommended the correct use of tools and individual protective devices (dpi).

TOOLS CLEANING

With water, immediately after use.

YIELD

It is always advisable to carry out preliminary tests at site in order to determine the right yield of the system.

Depending therefore on the nature of this product and the different effects achievable, yields have to be considered purely indicative.

Fondo Universale: 4-5 m²/l, in two layers, depending on the type of substrate and absorption.

Decofix: indicative yield 10-15 m²/l.

IRONic Fondo (oxidation effect): 5-8 m²/l in two layers, depending on the type of substrate and absorption.

IRONic Fondo (corrosion effect): 3-6 m²/l in two layers, depending on the type of substrate and absorption.

IRONic Liquido Antichizzante: 8-12 m²/l in two layers, depending on the type of substrate, its absorption and the desired effect.

2Screen: 12-14 m²/l, depending on the substrate finish and its absorption.

COLOURS

Not tintable

PACKAGING

IRONic Fondo: 1 l; 2,5 l package.

IRONic Liquido Antichizzante: 1 l package.

SHELF LIFE

The packaged product is guaranteed for 24 months, if stored in the original sealed package and at temperatures between +5°C and +35°C.

SECURITY PROCEDURES

EU Directive 2004/42/CE:

IRONic Fondo (decorative effect coating)

EU Limit Value for **IRONic Fondo** (cat A/l): 200 g/l (2010).

IRONic Fondo contains max 200 g/l of VOC

IRONic Liquido Antichizzante (decorative effect coating)

EU Limit Value for **IRONic Liquido Antichizzante** (cat A/l): 200 g/l (2010).

IRONic Liquido Antichizzante contains max 200 g/l of VOC.

The product does not require the label as per the D.L. 65 dated 14/03/03 and following corrections. Use the products as per the security and hygiene procedures rules. Dispose of the empty packaging remaining material in compliance with local laws. Keep the product away from children usage and in an airy place.

In case of contact with eyes, wash them immediately with water. In case of ingestion of the products, consult immediately a doctor showing him the can or the label of the product. Do not leave wastes in drains, water courses and on the ground.

For further information consult the safety data sheet.

SAN MARCO GROUP guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets.