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.

USES
"THE CITY VISION" concept identifies in **IRONic** the most innovative element drawing 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

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:
- Various absorbent mineral conglomerates.
- Various chipboard, plywood, MDF, wood surfaces.
- Polyvinyl chloride substrates
- Zinc plated steel substrates
- Iron substrates
- Fibrocement

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

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.**
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.

SUBSTRATE PREPARATION AND APPLICATION
(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:

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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
Novafund 130: brush, roller
IRONic Fondo: brush, roller
IRONic Liquido Antichizzante: sponge, brush, sponge roller
Decofix (as sealer): short-haired roller
Clear Finish Monocomponent: roller for enamels.

PRODUCTS PREPARATION
Fondo Universale: for brush and roller application, dilute with 5-10% of water. For spray application, dilute with 15-20% of water.
Novafund 130: ready to use, max dilution 5% 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
Clear Finish Monocomponent: dilute the first layer with 30% of water. Apply the second layer ready-to-use or diluted with max. 5% of water.

EFFECTS
Oxidation effect:
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.

Corrosion effect:
On dry and previously treated substrate, apply one layer of **Novafund 130.**
After at least 4 hours apply one layer of **IRONic Fondo,** diluted, with brush or roller.
After at least 4 hours, apply a second layer of **IRONic Fondo.**
After at least 12 hours, apply one coat of **IRONic Liquido Antichizzante,** dabbing the surface with a marine sponge.
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 24 hours from the last oxidation phase, accordingly to the kind of substrate, its absorption and environmental conditions.
The application of **Decofix** and **Clear Finish Monocomponent** slightly change the aesthetic effect of the surface. The best performances can be achieved after 5 days from the application of the protective treatment.

PROTECTION OF 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 the application of **Decofix**, clean the surface with a dry brush.
Apply **Decofix** diluted with a thin layer, 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 one or more layers of **Clear Finish Monocomponent.**
On completely dry surface, apply with a roller a first layer of **Clear Finish Monocomponent** diluted with 30% of water.

Once the surface is completely dry, apply a second layer of **Clear Finish Monocomponent** diluted with max. 5% of water.
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 a first layer of **Clear Finish Monocomponent** diluted with 30% of water.
Once the surface is completely dry, apply a second layer of **Clear Finish Monocomponent** diluted with max. 5% of water.
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.
Decofix: indicative yield 15-18 m^2/l.
Artic-A: 3-6 m^2/l, in two layers, depending on the type of substrate and absorption.
IRONic Fondo (oxidation effect): 5-8 m^2/l in two layers, depending on the type of substrate and absorption.
IRONic Fondo (corrosion effect): 3-6 m^2/l in two layers, depending on the type of substrate and absorption.
IRONic Liquido Antichizzante: 8-12 m^2/l in two layers, depending on the type of substrate, absorption and type of realized effect.
Clear Finish Monocomponent: 12-14 m^2/l for each layer, 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.
N.B.- The information reported in this technical data sheet comes from our best experience; however this does not involve any responsibility of our Company for applications of this product without our control.

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