

# Ferrum-Siderum-Cuprum

Iron and copper rust effect water-based decorative finishes.



Mod. 51 Rev 64

Last update 30/10/2019

## CHARACTERISTICS:

**FERRUM**, **SIDERUM** and **CUPRUM** are decorative finishes for interior to replicate the oxide effect of iron and copper on the substrate on which they are applied, by giving walls and object a modern rusty finish. **FERRUM** guarantees the traditional rust shades and ripples, that is to say a mix of yellow, red and brown, while **SIDERUM** confers to the surfaces a iron oxide effect with verdegris hues. With **CUPRUM** it is possible to obtain a copper effect with verdegris hues. Thanks to their composition it is possible to control the level of oxidation. In addition it is also possible to obtain textured effect by varying the ground coat. **FERRUM** can be applied both in interior and exterior.

## USES:

**FERRUM**, **SIDERUM** and **CUPRUM** can be used as a decorative finish on wall, plaster, concrete, cement, gypsum, plaster board, old paint, wood, MDF, Masonite, PVC, iron, galvanized sheet, etc. after adequate surface preparation. **FERRUM** and **SIDERUM** are the perfect finishes to give a modern touch in the decoration of private houses and public spaces in line with the last trends, such as cafés, pubs, clubs, restaurant, hotels, etc.

## PREPARATION AND APPLICATION:

**SURFACE PREPARATION:** Surface must be solid, sound, dry, clean, and free from oil, grease, dust or any element that could compromise adhesion. Scrape, brush and remove any old paint, plaster or non-adherent undercoat. Do not apply in presence of rising damp. Remove mold, fungi and algae by applying **MUROSANO RISANANTE**. Fill any crack, level out imperfections. If the substrate it is not solid, apply a coat of **PRIMER A** diluted 1:4 with water. On iron, metal, PVC apply a 1<sup>st</sup> coat of **UNIMETAL HYDRO**, on wood apply 1 coat of **HYDRO XILO** transparent.

**APPLICATION** : apply 1 coat of **SMARTCOAT EXTRAFINE** 0.1 mm white by brush or roller to obtain an oxide effect. Alternatively, apply **SMARTCOAT MEDIUM GRAIN** 0.4 mm to obtain the corrosion effect. Let it dry 4-6 hours and then apply a 2<sup>nd</sup> coat. Apply 2 coats of **FERRUM**, **SIDERUM** or **CUPRUM** by brush or roller diluted 0-10% with water. Wait 4-6 hours between each coat. Let the surface dry for at least 8 hours before proceeding to the oxidation step.

**OXIDATION** : protect all surfaces that will not be treated. Contact with **ANTICHIZZANTE** oxidizing agent may cause stains and oxidation of metal parts. We strongly advice to use the individual protection devices recommended in the MSDS. **ANTICHIZZANTE** can be applied by spalter brush, roller, sponge, spray bottle. It can be applied in 1-2 or more coats according to the finish desired. We recommend to wait 2 hours between each coat, for the oxidation process to have effect. The final effect will depend on no. of coats applied, quantity of **ANTICHIZZANTE** used and type of tool. Concerning **SIDERUM**, first effect that will show is the verdegris. Do not use an excessive quantity of **ANTICHIZZANTE** or the verdegris effect will be covered up by the iron oxide effect. Wait 24 hours before protecting the surface.

**PROTECTION** : brush the surface with a clean and dry brush to remove iron dust. Apply 2 coats of **PRIMER A** diluted 1:1 to protect the surface. Application of the protective product will slightly modify the final effect.

## IMPORTANT NOTES:

- Before beginning application, make sure that the background is perfectly dry and cured and is perfectly anchored to the substrate, there is no dirt, oil, contamination by mould, fungus, bacteria, salt or anything else that could compromise adhesion or the successful outcome of the job.
- Protect the containers from freezing (minimum + 5°C)
- Store in a cool, dry place. Do not expose to direct sunlight.
- The temperature of both the work environment and the background should be between + 8°C and + 35° C. Relative humidity must not exceed 75%.
- Prevent drying of the product at temperatures of either the work environment or the background below + 5°.
- Arrange the scaffolds in such a way as to allow continuous application until architectural interruptions to avoid the formation of joints, overflows and colour differences.
- Obtain enough of the product in a single batch to complete the job or at least to complete portions of work which do not draw attention to shade differences.
- Due to the variety of possible application, in case of doubt, please contact our Technical Department.

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- Due to its highly alkaline nature, the product is irritating. Therefore avoid contact with skin and eyes.
- Refer to the Safety Sheet for further information.

## TECHNICAL DATA:

<b>Drying at 20°C:</b> <b>Ferrum/Siderum/Cuprum</b>  <b>Antichizzante</b>	touch dry 30' -1 h overpaint 4-6 h oxidation 8 h  touch dry 30' -1 h over-paint 2 h protection 24 h
<b>Dilution:</b> <b>Ferrum/Siderum/Cuprum</b> <b>Antichizzante</b>	Ready to use, max 10% with water Ready to use
<b>Coverage:</b> <b>Ferrum/Siderum/Cuprum</b> <b>Antichizzante</b>	10-12.5 m <sup>2</sup> /l = 0.080-0.100 l/m <sup>2</sup> per coat 15-25 m <sup>2</sup> /l = 0,040-0,0650 l/m <sup>2</sup> per coat
<b>Specific weight:</b> <b>Ferrum</b> <b>Siderum</b> <b>Cuprum</b> <b>Antichizzante</b>	1.98±0.05 kg/l 2.01±0.05 kg/l 1.20±0.05 kg/l 1.00±0.05 kg/l
<b>Storage</b>	12 month
<b>Packages:</b> <b>Ferrum/Siderum/Cuprum</b> <b>Antichizzante</b>	2.5 l - 1 l 1 l - 0.5 l

### Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:

l) decorative paints;

Max VOC g/l: since 01.01.2010 = 200 g/l

Max VOC in the product: 40 g/l of ready to use product.

The information contained herein is the result of scrupulously controlled tests and expresses our best and most up-to-date knowledge. Moreover this information is intended for informational purposes only. The manufacturer cannot be held responsible for the improper use of these products, nor does the information contained herein provide a pretext for disputes of any type. This is also in light of the fact that the working methods employed are beyond our control.

Please refer to the relevant Safety Data Sheet.