



Metal Colours & Finishes

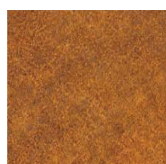
Wrinkled Matt Finish



Sable Finish (subject to price surcharge).



Corten Steel





Metal Colours & Finishes

Galvanisation on steel

For coated steel products, Metalco alternatively uses three galvanising systems:

- Hot-dip galvanising
- Sendzimir galvanisation
- Cold galvanisation

Metalco selects, each time, the galvanising system most suitable for the thickness and/or shape and/or manufacturing process of each article.

Coating on steel

1. Preparation (sandblasting or manual grinding)
2. Alkaline Degreasing
3. Rinsing with tap water
4. Rinsing with demineralised water
5. Passivation filmogenic
6. Drying with forced hot air (160°C)
7. Cooling (Only on request and on cast iron components)
8. Electrostatic application of powder: pure polyester
9. Polymerisation in the oven (185°C)
10. Cooling & Final Inspection

Warning: In the case of installation of coated steel products in areas with salty air (e.g. in the vicinity of the sea) or with heavy air pollution, Metalco recommends always to require TRIPLEX treatment, which involves the application of zinc primer before painting. This treatment improves the corrosion resistance of coated steel. The treatment is subject to surcharge.

Maintenance

Painted surfaces which become scratched can be restored, by using the colour touch-up sprays. 400ml cans of Metalco's standard RAL are available upon request. The colour should be sprayed from a distance of 10-20 cm onto the surface which has been previously cleaned from dust and dirt. Drying is achieved in about 15 minutes.

For colours not included in our standard chart, touch-up liquid colour can be requested. If however, on steel products, damage is deep and breaks the zinc protective coating below the paint, it will be necessary to proceed with an application of a zinc spray between the phase of cleaning and repainting. Metalco can, upon request, provide an aerosol for retouching the zinc coating.

The reproduction of colours in the brochure are not a true RAL match. To compare the relative RAL colours use a commercial RAL card. In case of any doubt about the proper maintenance procedure, please contact the Metalco office for advice.



Corten Steel

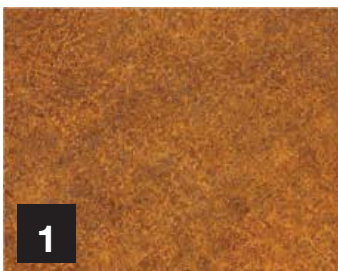
Corten steel, thanks to the process of maturation/oxidation that characterises it, is considered a “live” material, which may vary over time, in shades and hues, depending on the shape of the object, the position in which it is installed and according to the cycles of weathering which the object undergoes.

Warning: The average period where the natural cycle of maturation of corten “stabilizes”, giving the material a dark brown shade typical of oxidized corten, is about 12/18 months in the presence of suitable weather conditions. During this stage of maturation, the corten may leak oxide (“washout”), which may stain surfaces where the products are located. For corten, this is considered a natural and physiological behavior of the material.

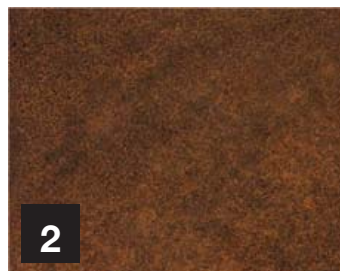
To reduce the loss of oxide, Metalco uses a special “ANTI-WASHOUT” treatment which may be requested by the customer, at extra cost: this treatment does not completely block the losses, but decreases significantly the oxide leak, giving the product a darker appearance and “finish.”

As indicated above, the laying of corten products on valuable and/or porous surfaces (e.g. marble, granite, etc..) must be very carefully evaluated, also in the case of Anti-washout treatment: in these cases it may be advisable to use, alternatively, galvanised and painted steel with the “corten colour” developed by Metalco.

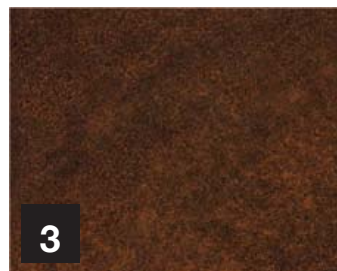
Also, in the vicinity of the sea, the violent assault of salty air, can lead to the formation of oxides on the surfaces that result in the appearance/colour looking different to normal. This does not affect good mechanical strength of the material.



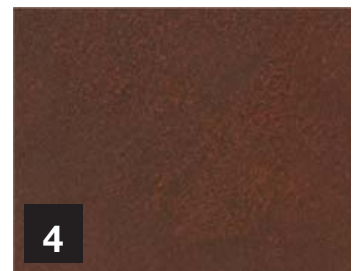
1
Appearance/shades of naturally oxidized product at the time of delivery (approximately 2 months of natural oxidation).



2
Appearance/shades of naturally oxidized product after about 4/6 months of installation.



3
Appearance/shades of the product at the end of the period of oxidation after about 12/18 months of installation.



4
Corten steel with special treatment metalco “Anti-washout”

Stainless Steel

GENERAL REQUIREMENTS APPLICABLE TO ALL METALCO'S PRODUCTS IN ANY MATERIAL

Upon receipt of the goods, where it is not possible to place and/or install them within a few days, they must

condensation that can irreparably damage the product. Particularly, the packaging should always be removed immediately if it is not possible to keep the goods in a covered place protected from sunlight.

METALCO NORMALLY USES STAINLESS STEEL AISI 304 OR 304L.

Stainless steel can be supplied with two treatments:

1. satinizing (standard)
2. electropolishing (on request and with price surcharge)

Not all products are available in all finishes:

to view the options, see the product page.

The products feature a special stain-resistant waterproofing treatment. With surcharge, another waxed treatment is available which further increases product waterproofing

Products of higher weight are generally equipped with bushings embedded in the mixture for mounting handling and installation eyebolts.

Warning:

In the case of installation of stainless steel products in areas with salty air (e.g. in the vicinity of the sea) or from heavy air pollution, Metalco recommends to always ask for the ELECTROPOLISHING treatment. This treatment improves the corrosion resistance of products manufactured in stainless steel. The treatment is subject to surcharge.

Maintenance

Metalco recommends that you periodically clean the products made of stainless steel to eliminate salt, dust and other debris, which may alter the protective layer of the material. Washing, as well as making the product clean, reduces the risk of corrosion.

Normally it's sufficient to simply wash the stainless steel with water, detergent and a soft cloth. In the case of lime scale deposits, use a cream-purpose cleaner with a soft cloth; while in the case of thicker deposits, very hot water with 1/4 of vinegar is necessary. For grease and oil stains, use a mild liquid dishwashing product. For rust stains, use a mild cream using a soft damp cloth. For an optimal cleaning of stainless steel, Metalco uses a specific cleaner to remove dirt, stains and processing residues, which can be provided on request.

In case of any doubt about the proper maintenance procedure, please contact the Metalco Quality Department for advice.