

Materials and Finishes Maintenance

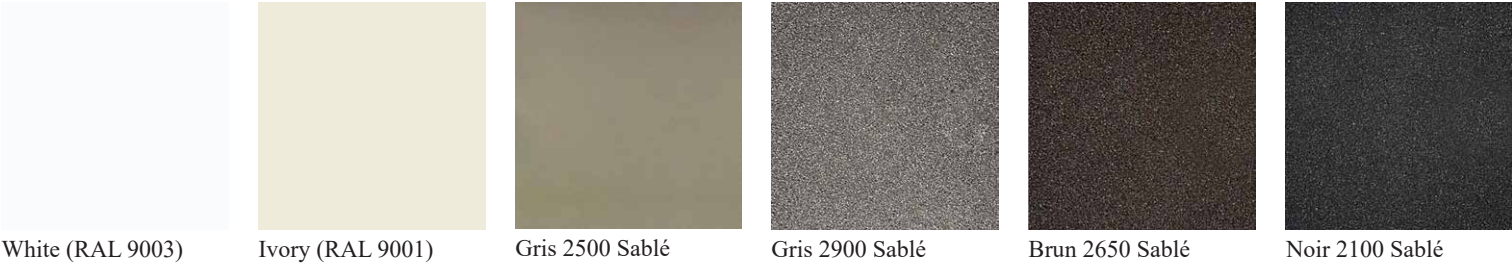
Steel - Plain paints / Embossed paints / Special paints



PLAIN PAINTS



EMBOSSSED PAINTS



SPECIAL PLAIN PAINTS



Maintenance of painted iron furniture products

Our products made of iron undergo special processing and painting cycles to make them suitable for use in outdoor environments in order to counteract the natural process of corrosion.

The phenomenon of corrosion is the deterioration of a material caused by exposure to atmospheric agents, chemicals, etc.

The rate of corrosion depends, among other things:

- on the aggressiveness of the environment in which the product is placed
- on the maintenance of the product

- Aggressiveness of the environment

The classification in Italy is regulated by the UNI EN ISO 12944-2 standard, which correlated the type of outdoor environment to a corrosion class:

Corrosion class	Typical outdoor environments
C2 - Low	Areas with low level of pollution, mainly rural areas.
C3 - Medium	Urban and industrial areas, modest pollution by sulphur dioxide. Coastal areas with low salinity.
C4 - High	Industrial and coastal areas with moderate salinity.
C5M - Very high (marine)	Coastal and offshore areas with high salinity.
C5I - Very high (industrial)	Industrial areas with high humidity and aggressive atmosphere.

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Cleaning tips

- Products

Before using a cleaning agent, make sure that it is suitable for cleaning painted surfaces (see technical data sheet).
If a strong cleaning agent is to be used to remove heavy soiling, it must always be diluted and tested on small areas that are not visible in order to check their suitability.
Under no circumstances may abrasive or polish cleaners or any detergents containing solvents or solutions containing chloride hydrocarbons, esters or ketones be used.

- Frequency

The frequency of cleaning depends on:

- The environment in which the surface is located, that is, rural, marine, industrial or a combination of these environments, etc.;
- The levels of air pollution;
- Whether placed indoors or outdoors;
- If the surface is subject to an erosive action of the coating, due to sand, dust, etc.;

Corrosion class	Typical outdoor environments	Checking and cleaning frequency
C2 - Low	Areas with low level of pollution, mainly rural areas.	12 months
C3 - Medium	Urban and industrial areas, modest pollution by sulphur dioxide. Coastal areas with low salinity.	6 months
C4 - High	Industrial and coastal areas with moderate salinity.	3 months
C5M - Very high (marine)	Coastal and offshore areas with high salinity.	2 months
C5I - Very high (industrial)	Industrial areas with high humidity and aggressive atmosphere.	2 months

- Maintenance / Restoration

In case of need for a restoration of the painted surface due to:

- Heavy soiling due to incorrect cleaning;
- Normal degradation over time;
- Accidentally damaged coating (the damaged area should be repaired as soon as possible to avoid oxidation/rusting triggers);

It is recommended to use companies/operators with appropriate skills.



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