



# STEEL FURNITURE

## TECHNICAL INFORMATION

### MATERIAL

Our Furniture is exclusively made of hot rolled mild steel sheets. This raw material with its laminating calamine\* reflects all its authenticity. This material is not originally conceived for "finished" products; that's why during production, handling and distribution, no special care is taken.

The scratches, more or less important or deep, are therefore almost systematic. These are not to be considered defects but part of the material and accepted as such.

Each table is unique and reflects the raw material with its own characteristics and sometimes important differences: oxidation more or less visible, blue reflections or not, scratches, shiny marks or not, etc. That is the product philosophy.

That's why we will not accept claims of unsatisfactory aspect, evaluation in all cases very subjective; we have no selection possibility or anticipation of the final furniture aspect. This final aspect is only revealed after finishing operations.

Of course, accordance or close similitude to the shown product is not possible

\* The calamine is the ferrous oxide film covering the sheets said black. It is the result of steel industry processing (rolling) of steel. It is developed at heating of steel. This transparent, natural and passive film thickens forming irregular colouring.

### FINISH

After manual sanding for a touch as much "silky" as possible, steel is patined with a hand pad.

Too many criteria are involved in this reaction: nature of steel, temperature and humidity and personal "touch" of the applicator. A final regular aspect is therefore absolutely not manageable, it is not possible to obtain 2 similar pieces of furniture.

Recent marks and scratches, already present during the patina, react with a more highly visible and diffused "halo", which may be confused with a retouching, this is not a retouching.

We preferred to avoid the use of varnish for ecological reasons as well as ageing evolution related to use. In fact, varnish is originally more attractive as aspect and protection of surface but it does not give fully satisfaction in the long run because it is very reactive to heat and easy to scratch.

Everyday use micro-scratches are hard, even impossible to cover, incidental scratches are permanent, unless you make a new paint of the whole top after a new sanding, eliminating most aspect characteristics.

We made the choice of using a satin finish polymerizable oil which increases the shades of steel, protects from rust but does not give an aspect like varnish.

This finish, even if it does not present the best mechanical performance or a level of protection comparable to varnish, has the advantage to be very easy to be reconditioned.

### MAINTENANCE - CAUTIONS

With every piece of furniture, we deliver a free maintenance set including:

- 1 bottle of special anti-oxidation oil.
  - it is important not to use any other kind of oil -
- 1 pouch of cotton wick.
- 2 protective gloves.

Restocking of one 50 ml bottle oil: € 23.00.

The provided bottle is sufficient for 2 to 3 years.

You can order a new complete maintenance set at 40,00 € + shipping costs.

The furniture is carefully oiled before delivery (7 - 8 applications) but it may happen that oil is partially or completely removed in some points, during transportation or by handling the furniture: this is not a serious problem.

By the original application, as it is made with a pad and by hand, there is the possibility that some parts are less covered or that the oil do not completely "block" the original oxidation which continues to evolve.

The following applications "will block" the oxidation. The same day or in 2 or 3 days after the installation, it is necessary to apply a very low oil quantity (as little as possible) on the whole piece of furniture and especially on the top (steel), which is the surface the most used. If the installation is performed a few days after receipt of goods, it is greatly important to unpack the product as to avoid the risk of condensation that induce oxidation resumption.

Oil is dry "at touching" after about 4 to 5 hours at 18 °C / 20 °C but it is not yet polymerized "at core". You must let dry at least 12 hours prior to use. Do not use for at least 48 hours, as there is a risk to "lock" stains in oil, which is not yet polymerized "at core".

It is suggested performing this operation 3 to 4 times a year (depending on the use) when it is possible to leave the table unused for 48 hours.

This oil is not a cleaning product, for routine maintenance, use microfiber wetted in water, without other products.

Do not use permanent protection like plastic tablecloth or other non-breathing coatings that cause condensation unavoidably generator of marks, oxidation and other problems.

Some table sets or similar protection in synthetic material deliver chemical substances capable of reacting and permanently mark the table. They must be used with extreme caution.

In case of micro-scratches, only the oil layer is scratched: a simple application of oil is enough to eliminate them.

In case of deep scratches letting appear the bright aspect of steel, it is possible to restore the patina in this point but it is difficult to apply the specific product (sent on request) only on the scratch, without overflowing.

This operation is achievable with a fine paintbrush and a particular "skilled touch". Please do not apply the oil on the bright mark, this may block the shiny aspect.

We suggest a simpler method consisting in leaving scratch oxidize. When oxidation harmonizes the scratch with all the rest of the surface, apply a layer of oil.

Of course, do not use any aggressive product in general, nor with solvent or abrasive and protect the furniture when you use products "at risk".

To prevent scratches, it is recommended to use table mats or another kind of protection.

Do not place hot dishes directly, do not place a container full of water directly without protection (stain by condensation).

You must consider that this finish is similar as an "antique" furniture; the concept of patina and ageing providing a sort of stamp must be well integrated and accepted at the time of purchase.

Oil is not a protection, that's why it is better to use table protection to prevent spots.

This material and this finish are not for users refusing evolution of aspect (patina) or wishing a piece of furniture exactly similar to the one seen in a show-room.

**Attention please, this information concerns steel parts only!**

**Do not apply oil to other materials (concrete, ceramic, glass, wood, etc.).**