



## Timber

Where it is not possible and / or advisable to leave the wood with no finish, Metalco is able to provide its wood oiled with vegetable-based or water-based paint. Individual product information indicate the types of wood and finishes available for each product.



### Types of wood standard Metalco

#### A. Exotic woods:

Pauoro, Okoume, Iroko, Teak or similar

Metalco selects exotic woods best suited to the needs of the product and /or project and according to market availability.

#### B. Scots pine:

Autoclaved or treated Thermowood®

The processes are carried out by certified suppliers.

#### C. Accoya®

Purchased from authorised supplier.

## General Requirements

Upon receipt of the goods, where it is not possible to place and/or install them within a few days, they must always be removed from plastic (nylon) packaging to allow ventilation and prevent the formation of 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.

## Maintenance

On wood elements, Metalco offers warranty only against rot. In contrast, no warranty is provided on the duration of the treatments painting and oiling, although performed in a workmanlike manner, as influenced by numerous factors beyond the manufacturer's control and may vary from environment to environment. For aesthetic and functional reasons Metalco requires regular maintenance of wooden surfaces (in conditions not particularly aggressive, at least annually).

In the case of products which have undergone treatment or touch-up paint that require complete repainting, firstly sand to remove surface dust, dirt and any old paint. Secondly, proceed to the drafting of a good water-based paint for wood with brush or spray, as indicated on the product. The product must ultimately be left to dry (usually a time varying between 2 and 12 hours, depending on the amount and mode of application and climatic conditions). For products that have undergone treatment in oil and that need a touch up, simply proceed to lightly sand the surface to remove deposits of dirt, and then apply a new layer of oil. It is beneficial to proceed with the renewal of the oiling process when you notice that the layer of the previous treatment has lost consistency and is disappearing (there is no standard but the timing depends on the conditions of "stress" in the environment where the product is placed).



## A. Impregnation of vegetable oil:

It is the best treatment for exotic hard woods, such as Pauoro, Iroko, Teak or similar. This treatment is not recommended in case of softer woods (eg Okoume).

**Attention:** Wood surfaces treated with oil naturally tend to turn grey in a variable period of time depending on the environmental characteristics of the place of installation of the product. The formation of the grey patina is a physiological reaction and is a self-protection of wood against weathering, while not affecting the quality of the product.

It is still possible to reduce the greying of the wood by making a regular renewal of the oiling process.



### Cycle for oiling

- 1 Automatic brushing
- 2 Manual application of water-based oil with a spray gun and brush
- 3 Storage for air drying
- 4 Visual quality control

## B. Water-based paint

This finish is excluded on most types of hardwood such as Pauoro, Teak, Iroko or similar and on Accoya® or wood treated Thermowood®.

**Attention:** Metalco also strongly advises against the choice of a varnished wood where it is not possible to carry out regular maintenance (see "MAINTENANCE") and/or in case of placement in particularly harsh weather conditions (saline area, strong pollution, constant exposure to strong sunlight and high temperatures, etc...).

In such conditions, in fact, the layer of paint is intended to degrade quickly, presenting a noticeable flaking.

### Painting cycle

- 1 Base coat with catalyzed insulation (160 microns) – spray application\*
- 2 Drying (4-6 hours) and automatic brushing\*
- 3 Coat with water-based paint (200 micron) spray application
- 4 Storage for air drying
- 5 Visual quality control

\* Only on Okoume and similar woods