

# NeoRomántico Liviano

Miguel Milá, 2000 / 2002

THE NEOROMÁNTICO LIVIANO 100% ALUMINIUM BENCH HAS OBTAINED CRADLE TO CRADLE SILVER ENVIRONMENTAL CERTIFICATION



## • Ergonomic

## • Long-lasting, wood with FSC certificate and cast aluminium 100% recyclable

## • Models up to 6m

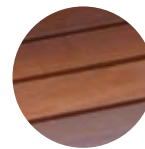
## • Easy to assemble and dismantle

## • Lighter

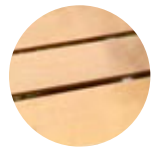
## • Cradle to Cradle Certificate



Aluminum extrusion



FSC Tropical wood



Pine wood

### NeoRomántico Liviano Bench

Adaptation of the classical NeoRomántico bench, which incorporates arms and a lighter structure. Designed to complement urban or private spaces which need an even more comfortable bench than its predecessor.

Like the NeoRomántico Clásico bench, the NeoRomántico Liviano is also composed of three basic pieces which are combined to generate a bench designed with the same ergonomics as its predecessor. This time, though, the legs

are lighter, saving 4 kg of aluminium per leg. For greater comfort, they incorporate an armrest. The NeoRomántico Liviano bench is presented with two types of slats, wooden and aluminium extrusion.

### Materials and finishes

#### • Legs

Aluminium injection structure with sandblasted finish and anti-rust protection or with plastic coating in light or dark grey (enquire for other colours).

#### • Slats of FSC tropical wood or red pine

Seat and backrest formed by 30 mm-thick solid wood slats of variable lengths, in tropical wood with FSC pure certificate treated with oil in two components, in red pine treated in the autoclave or in anodized finish aluminium extrusion.

All the fastening bolts of the slats are in steel with anti-rust protection.

The FSC certified tropical wood comes from Africa or Central America.

This wood is obtained complying with all the legal and environmental regulations of the country of origin, controlling the chain of custody, ensuring the sustainability of the woods and minimizing the environmental impact. The wood does not come from primary forests.

To protect the surface of the slats, we use an oil in two components. This is a dual-layer protection especially

formulated for the long-lasting treatment of wooden elements for outdoors.

Its main attributes are:

- Conservation of the natural appearance and touch of the wood.
- Good penetration of the colour pigments thanks to nanotechnology.
- Long-lasting molecular action of the oil of the second layer.
- Powerful fungicide, breathable and water-repellent material.
- High protection against the effect of UVA rays and heat-resistant.
- Prevention against colour loss and surface scaling.
- Fast drying, ideal for industrial handling.
- It is an environment-friendly product, 100% free of volatile organic compounds and without isocyanate.

The Red Pine wood comes from the central area of Sweden. This wood has classification V in the General Rules for the Classification of Swedish Sawn Red Pine and Fir Timber established by the 1958 Committee for the

classification of Timber. This wood is obtained complying with all the legal and environmental regulations of the country of origin, ensuring the sustainability of the woods and avoiding the environmental impact. This wood does not come from primary forests.

With the aim of protecting red pine wood in the face of risk classes 1 to 4 described in standard EN 335-1-92 and EN 335-92, an autoclave treatment is applied.

#### • Aluminium extrusion slats

The slats of the NeoRomántico Liviano bench are also manufactured in anodized finish aluminium extrusion. This change of material represents an adaptation to the 21st century: 100% aluminium, recycled, recyclable and inalterable, allowing slats of up to 6m long without maintenance.

All the fastening bolts of the slats are in steel with anti-rust protection.

### Cradle to Cradle certification

The Cradle to Cradle® design is based on the creation of products starting from components which can be easily dismantled and recycled, as either technical or biological nutrients, with complete safety for human health and the environment, without losing their quality.

Cradle to Cradle® is the only cross-disciplinary product certification programme (with the same criteria for any type of product), which is based on the chemical composition and on the design for the environment. These criteria not only refer to the product itself but also to the use of resources in the manufacturing process and to the behaviour of the company in relation to the community. Created by the German chemist Michael Braungart and the American architect William McDonough, Cradle

to Cradle® has become one of the world's most reliable reference certifications for governments, administrations and companies.

Following the analysis of the NeoRomántico Liviano 100% aluminium, it determined:

#### • Materials used

Identified 99% of the components present in a concentration greater than 100ppm

Over 99% of the components assessed as acceptable for use. Contact and management of the information of 15 suppliers.

#### • Design for the environment

Technical nutrient. Contains almost 95% recycled mate-

rial. 99% recyclable.

#### • Energy

27% of the energy used comes from renewable sources.

#### • Administration of water

Santa & Cole has created and adopted a series of principles for the care of water in its facilities, committing itself publicly.

Audit of water use in the product's manufacturing process.

#### • Social Responsibility

Santa & Cole has signed a public declaration of respect for human rights and the laws in force.



THE CRADLE TO CRADLE DESIGN IMPLIES:

- DESIGN WITH MATERIALS WHICH ARE TECHNICAL OR BIOLOGICAL "NUTRIENTS"
- DESIGN OF PRODUCTS WHICH ARE SAFE FOR HEALTH AND THE ENVIRONMENT
- DESIGN STARTING FROM EASILY DISMANTLED AND RECYCLED COMPONENTS





## Maintenance

Does not require functional maintenance unless it is desired to conserve the original colour of the wood.  
The model manufactured with aluminium slats does not require maintenance.

## Installation

The fastening is carried out with two anti-rust treated steel bolts per leg introduced into holes previously made in the paving and filled with epoxy resin, fast-drying cement or similar.

The wooden benches are delivered assembled and those in aluminium extrusion dismantled, unless specified otherwise. The fastening bolts and the assembly instructions are enclosed with the benches.

## Weights

### Pine wood:

0,60 m: 16 Kg

1,75 m: 38 Kg

3,00 m: 46 Kg

### FSC tropical wood:

0,60 m: 22 Kg

1,75 m: 45 Kg

3,00 m: 75 Kg

### Aluminium extrusion:

0,60 m: 18 Kg

1,75 m: 37 Kg

3,00 m: 56 Kg

4,50 m: 80 Kg

6,00 m: 106 Kg

FOR GREATER COMFORT, ITS LIGHT STRUCTURE  
INCLUDES AN ARMREST



## Models

The wooden models are manufactured in three standard sizes: 0.60m and 1.75m with two structures and 3.00m with three structures.

The aluminium extrusion models are manufactured in five standard sizes: 0.60m and 1.75m with two structures and multiples of 1.50m up to 6.00m with one structure every 1.50m.

