saloni

#checklist

Lugano

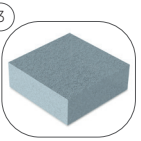
Time to explore the technical specifications of Lugano.

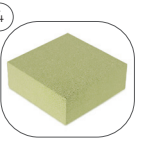
1

200 gr/m² Fiber

2

3 cm 26 kg/m³ PU Foam

3

2 cm 45 kg/m³ HLB Foam

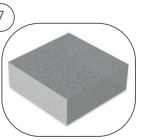
4

10 cm 35 kg/m³ HR Foam

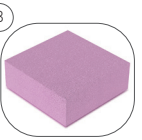
5

3 cm 26 kg/m³ PU Foam

6

500 gr/m² Fiber

7

1,5 cm 18 kg/m³ PU Foam

8

8 cm 35 kg/m³ HR Soft Foam

9

1 cm 60 kg/m³ Felt

10

5 cm 45 kg/m³ HLB Foam

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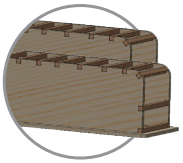
CONSTRUCTION

Plywood beech wood and MDF are used in the framework as the main construction materials of the sofa.



(Image 1-1)

A high-strength Plywood (36 N/mm2) produced in accordance with EN 636 standards, is obtained by aligning wood layers of around 1.5 mm thickness perpendicularly and pressing with resin followed by cutting in high-precision CNC machinery. (Image 1-1)

We use beech wooden slats of the first quality, 2 x 2 cm, 5 x 2 cm and 7 x 2.5 cm sections, which have been kiln dried and kept for at least 1 year, with a humidity level of 10% and below.

(Image 1-2)

3 mm thick MDF (Medium Density Fiberboard) sheet materials on the back and sides of our products are mounted to create a box construction that increases strength.

Water-based PVAc wood glue in D3 norm which has high adhesion strength and conforms to EN 204 standards are applied to all joints of wooden parts in the skeleton.

In our skeletons, we assemble the parts with a notched joint system for increased durability.
(Image 1-1 / Image 1-2)

(Image 1-3)

In the seatings, we apply zigzag springs, which are given extra stiffness by passing them through special heat treatment furnaces to ensure comfort and convenience, and elastic columns with a stretch value of 60% and a tensile strength of 350 kg, obtained by weaving polyester yarns around a total of 105 triple rubber fibers, 7 cm wide, with a maximum spacing of 4 cm. (Image 1-3)

Plastic materials in various sections are applied to reduce the firmness at the corners and edges of the skeleton and improve the visual appearance after laying.

FOAM

Layered composite foam is used to maximize comfort and strength in the seating, back and armrests.

We apply 60 kg/m3 (density) 1 cm thick felt made of 100% recycled polyester material as a support to the bottom layer. (Image 2-1)

High Resilience (HR Foam) foam with a density of 35 kg/m3 is applied as the seating sponge at a thickness of 10 cm.

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(Image 2-1)

In the top layer, an 8 cm thick flexible and soft sponge of 35 kg/m3 (density) of the HR Soft quality is used as a comfort sponge.

On the upper part of the back, we use 45 kg/m3 (Density) 2 cm thick HLB foam as a support

1 cm 14 kg/m3 (density) foam is applied on the inner back of the back and arms , and 3 cm 26 kg/m2 thick foam is applied on the outer back.

To improve back comfort and support aesthetic visuals, filling cushions made of a blend of sponge and bead fiber are used.

On the back, we use 100% polyester 200 gr /M2 first class without lamineted fiber produced as non-woven by thermal and chemical bonding method as the top layer to cover the whole piece.

In the seating, 100% polyester 200 gr/m2 first quality non-laminated fibre produced as nonwoven by thermal and chemical bonding method is used as the top layer to cover the whole piece.

The application of a 5 cm thick, 20 cm wide, and 45 (kg/m3) density HLB barrier foam to the front part of the seating area is designed to prevent excessive softening and sagging in the front sections of the seats caused by heavy usage, while also enhancing the aesthetic appearance of the front surface fabric.

FITTINGS & LOAD-BEARING SYSTEMS

In the Lugano, we use 8 mm thick laser cut, electrostatic powder painted metal legs. There are plastic booties at the bottom of the leg that prevent damage to the floor and prevent slipping.

APPLICATIONS FOR STRENGTH AND DURABILITY

During R&D activities, the products are subject to seating tests for 30,000 seating instances on average. Foam with thickness increased by 30% to 50% and density increased by 20% to 30% is used in the seat cushion of the conventional products of 100 kg.

Recycled material (felt) is used to replace 12% of foam material.

Eco-friendly materials with reduced carbon footprint are used.

More than 18% of the product consists of wooden material.

Materials with durability increased by 50% to 100% with a wider surface area and a higher load-bearing capacity are used as fittings.

Factors such as structure, construction, production, shipment, and assembly at home, considering even children jumping on the product, have been thought about carefully throughout the design and production stages up to the finished product.

A stuffing mixture and densely woven linings are used for the back cushion and pillows. The existing stuffing mixture is more durable and comfortable than other conventional fillings.

FABRIC & SEAMS

Fabrics of the manufacturers carrying out production processes in line with international quality standards are used in our sofas.

Each lot of our fabrics is subject to all required physical and chemical testing following the applicable standards, especially including EN ISO 12947-2, EN ISO 13936-2, EN ISO 13937-3, EN ISO 13934-1, EN ISO 14704-1 standards, and fabrics with high Martindale wear (5000 cycles and above), pile loss (10,000 cycles and above), pilling (5 and above), tear strength (40 N and above) are used.

Average fabric weights are 725 g/m2 in the nubuck series, 450 g/m2 in the woven series, and 300 g/m2 in the velvet series (according to EN 12127).

Number 30, 80 tex low-flexibility, high-strength (5200 cN) lubricated continuous filament polyester threads are used as assembly seam.

Number 20, 135 tex, high-strength (9500 cN) nylon 6.6 threads are used as blind stitches used to improve strength and for aesthetic purposes.

Our sewing threads are certified by Oeko-Tex Standard 100.

To maximize sewing strength, assembly seams are used every 3 mm in length while blind stitches are used every 5 mm in length and 5 mm in width.