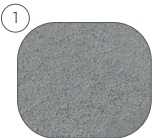


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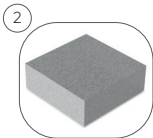
#checklist

Kyoto

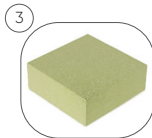
Time to explore the technical specifications of Kyoto.



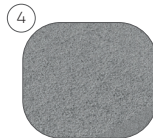
90 gr/m²
Fiber



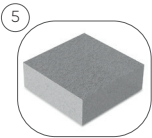
26 kg/m³
PU Foam



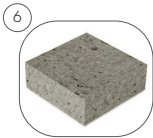
CNC-Cut
7 cm 35 kg/m³
HR Foam



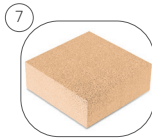
300 gr/m²
Fiber



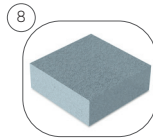
4 cm 26 kg/m³
PU Foam



1 cm 60 kg/m³
Felt



9,5 cm 32 kg/m³
Soft Foam

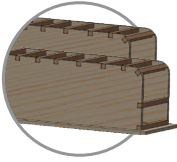


5 cm 45 kg/m³
HLB Foam



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.



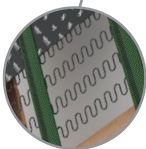
(Image 1-2)

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.

In the seating, 60 kg/m³ (density) 1 cm thick felt made of 100% recycled polyester material with a thickness of 1 cm is applied to the bottom layer as a support.

7 cm CNC cut sponge of 35 kg/m³ (density) HR (High Resilience) quality is used as the main session sponge.

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In the top layer, 32 kg/m³ (density) Soft quality 9,5 cm thick flexible and soft sponge is used as comfort sponge.

CNC-cut foam with a density of 26 kg/m³ is used on the back and front of the arms.

100% polyester (seating 300+200) gr/m², (back 90) premium fiber produced as non-woven with thermal and chemical bonding methods are used as the top layer to cover the entire part during the seating and on the back.

In the front section of the sessions, a 5 cm thick, 20 cm wide, 45 kg/m³ (denoting mass per unit volume) HLB barrier sponge application will be utilized to address the issue of excessive softening and sinking of the front part of the seats due to intensive use.

This will result in a more aesthetically pleasing appearance of the front fabric and, due to the increased firmness of the front section, will support the user in leaning backwards when seated, thereby enhancing seating comfort.

FITTINGS & LOAD-BEARING SYSTEMS

Polyurethane cast legs are used in the Kyoto model. 460 x 250 x 3 mm electrostatic powder-coated metal joints are used to connect the modules specially produced for the Kyoto model.

MDF wooden case is used to improve the design and aesthetic appearance of the modules in the Kyoto model.

APPLICATIONS FOR STRENGTH AND DURABILITY

In the R&D processes of the products, an average of 30,000 sessions are subjected to tests. For 100 kg convectional products, 30-50% thicker foam and 20-30% denser foam are used in the sitting mat.

Recycled material (felt) is used to replace 12% of the foam. This material does not pollute nature and reduce the carbon footprint.

Wood stands for more than 18% of the materials used.

50-100% reinforced materials are used in fasteners over larger surfaces and load-bearings.

The construction of the product, its production, transportation, assembly at home, including children jumping on them are considered and implemented accordingly.

The back cushion and pillows we used a filling blend and a dense woven lining. The existing filling mix is more durability than other convectional filling.

FABRIC & SEAMS

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

Each lot of our fabrics is subjected to all necessary physical and chemical tests based on relevant standards, primarily EN ISO 12947-2, EN ISO 13936-2, EN ISO 13937-3, EN ISO 13934-1 and EN ISO 14704-1 standards. At the same time, fabrics with high Martindale abrasion (5000 cycles and above), pile loss (over 10,000 cycles), pilling (5 and above) and tear strength (40 N and above) values are used.

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

Lubricated polyester yarn manufactured from 30 number 80 tex, reduced stretch, high strength (5200 cN) and endless fiber polyester are used as a joining sewing thread.

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

Our sewing threads are Öko-Tex Standard 100 certified.

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.