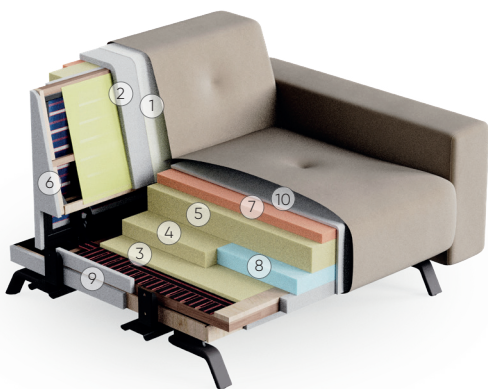


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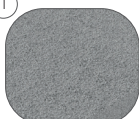
#checklist

Domino

Time to explore the technical specifications of Domino.

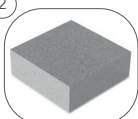


1



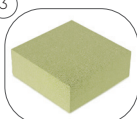
90 gr/m²
Fiber

2



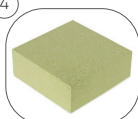
2 cm 26 kg/m³
PU Foam

3



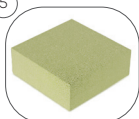
CNC-Cut
1.5 cm 35 kg/m³
HR Foam

4



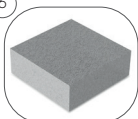
CNC-Cut
5 cm 35 kg/m³
HR Foam

5



CNC-Cut
9 cm 35 kg/m³
HR Foam

6



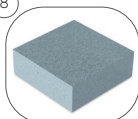
4 cm 26 kg/m³
PU Foam

7



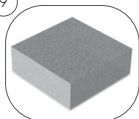
3 cm 32 kg/m³
Soft Foam

8



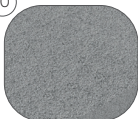
5 cm 45 kg/m³
HLB Foam

9



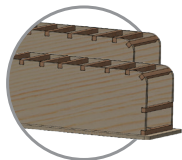
26 kg/m³
PU Foam

10



200 gr/m²
Elyaf

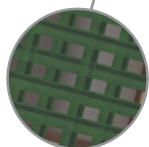
CONSTRUCTION



(Image 1-1)



(Image 1-2)



(Image 1-3)

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

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

Prime quality beech wood boards of 2x2 cm, 5x2 cm, and 7x2.5 cm, kiln-dried and cured for a minimum of 1 year with a relative humidity of 10% or lower are used.

MDF (Medium Density Fiberboard) of 3 mm thickness, a layered material increasing strength is assembled at the back and on the sides of our products to build a box construction.

D3-norm water-based PVAc wood glue with high adhesion strength in accordance with EN 204 standards is used in all joints of wooden components in the framework.

To improve strength and durability, components of the framework are joined by a notched joining system. (Image 1-1) (Image 1-2)

Elastic columns with a maximum interval of 4 cm with an elasticity of 60% and tensile strength of 350 kg obtained by weaving polyester threads around a total of 105 triple rubber fibers with a width of 7 cm are used to ensure ergonomics and comfort in seating. (Image 1-3)

Plastic materials of various dimensions are used in corners and edges in the framework to reduce rigidity and improve aesthetics after upholstering.

FOAM

A layered composite foam structure is applied to the seat, backrest, and arms to maximize comfort and durability.

A 9 cm thick, CNC-cut HR (High Resilience) foam with a density of 35 kg/m³ is used as the main seating cushion inside the seat.

As the top comfort layer, a 3 cm thick flexible and soft foam of Soft quality with a density of 32 kg/m³ is used.

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A 3 cm thick foam with a density of 26 kg/m³ is used to fully cover the backrest and arms.

The sofa includes filled cushions made from a blend of bead fiber and foam to enhance back comfort and support an aesthetically refined appearance.

As the top layer covering the entire seat, a first-class laminated 100% polyester fiber (200 g/m²), produced as nonwoven using thermal and chemical bonding methods, is used.

As the top layer covering the entire backrest, a first-class, non-laminated 100% polyester fiber (200 g/m²), produced as nonwoven using thermal and chemical bonding methods, is used.

FITTINGS & LOAD-BEARING SYSTEMS

The Domino model uses polyurethane cast legs, and electrostatic powder-coated metal connector parts are used to join the specially produced modules.

MECHANISM

A metal supporting frame and a chassis with a movable mechanism are used.

By extending the seat forward by 29 cm and simultaneously lowering the backrest, a sleeper module is obtained; our special backrest mechanism can be operated even when the product is positioned flush against the wall.

Our mechanism is coated with textured electrostatic powder paint and is manufactured using DKP and HRP box profiles (50×25×1.2 / 30×20×1.2 / 20×20×1.0), precision-cut on CNC profile laser machines.

Our product is modular and features a specially designed mechanism.

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

Factors such as structure, construction, production, shipment, assembly at home, including children jumping on the product, have been taken into consideration from design and production stages to all the way up to the finished product.

A mixed padding and fine woven lining are used in backrest cushion and throw pillows. The current mixed padding is more durable compared to other conventional padding materials.

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 subject to all required physical and chemical testing in accordance with 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 (50.000 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 nubuck series, 450 g/m² in woven series, and 325 g/m² in velvet series (according to EN 12127).

No. 30, 80 tex low-flexibility, high-strength (5200 cN) lubricated continuous filament polyester threads are used as assembly seam.

No. 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.

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