

Materials, Design

- The T.wood doors are designed as a three-layer sandwich made of a spruce organic board with a thickness of 19 mm;
- The middle layer is oriented perpendicular to the outer one, partially eliminating stress and preventing deformations that are typical for a solid material;
- Shape deformations in the solid material cannot be completely eliminated, all technical measures are implemented to minimize this natural, characteristic wood property;
- The front surface of the doors is decorated with milling, the edges are chamfered, the corners are rounded;
- The visible side can be scratched or smoothed, sanded and the finished product is treated with G5 matte lacquer or another surface protection system;

Permissible Defects

- Knots – ingrown and healthy ones are allowed; rotten, partially ingrown, inbark are not allowed;
- Sapwood, cracks, torn wood fibres – allowed if they are professionally and aesthetically repaired, do not interfere and do not reduce the utility and technical parameters;
- Resin pockets, resinous wood, rot, mould, sapwood, insect damage, pith – not allowed;
- If the design includes a “patina” surface finish – intentional damage imitating insect damage, this is allowed.

Tolerance

Tolerances for wooden furniture according to CSN 91 0001 Furniture – Technical requirements apply to the wooden doors.

- The tolerance for dimensions of a product against the values specified in the documentation may be ± 0.5 mm. Due to the stress of the materials used, the product may become bent – the permissible tolerance is ± 4 mm / 1 m.

Dimensions

- Minimum dimensions: 170 x 170 mm
- Maximum dimensions: 800 x 1,400 mm

Application and Instructions

The T.wood products are designed for use in an indoor environment, which is defined as 30–65% of relative humidity and a temperature in the range of 16–22 °C. A change in relative humidity from 65% to 90% causes significant shape and dimensional modifications and has a decisive impact on the occurrence of hidden product defects (CSN EN 101-2, CSN EN 1995-1-1, etc.). The indoor environment, therefore, has a decisive influence on the possible occurrence of shape deformations, cracks, dimensional deviations, and damage to surface finish. The defects created in this way are a natural demonstration of the solid wood characteristics and cannot be avoided or prevented.

- The products are delivered as semi-finished products, i.e. they are without holes for handles;
- To determine the glass or panelling dimension, the size of the hole must always be measured in order to derive the glass or panelling dimension based on it;
- The glass or panelling dimension must be smaller by $2 \text{ mm} \pm 0.5 \text{ mm}$ than the dimension of the hole;
- Provisions related to CSN EN 14749 and CSN EN 14072 as stated for the T.classic product line, apply for the entire production program as well as for the T.wood products.
- As makers of furniture front surfaces, we are not responsible for the use of a product equipped with glass in conflict with the wording of CSN EN 14749 – Domestic and kitchen storage units and kitchen worktops – unless such use is explicitly specified in an order.