

Materials and Construction

- T.masiv doors are constructed as a three-layer sandwich from 19 mm spruce bio-boards.
- The middle layer is oriented perpendicular to the outer layers, partially eliminating tension and preventing deformations common in solid wood materials.
- Shape deformations in solid wood cannot be entirely eliminated; all technical measures are implemented to minimize this natural and characteristic property of wood.
- The front surface of the doors is decorated with milling; edges are beveled, and corners are rounded.
- The visible side can be treated with brushing or smoothed, sanded, and finished with G5 matte lacquer or another protective surface system.

Permissible Defects

- Knots: Healthy, enclosed knots are allowed; rotten, partially enclosed, or protruding knots are not permitted.
- Color variations, cracks, torn wood fibers: Allowed if professionally and aesthetically repaired, without being visually disruptive or reducing functional and technical parameters.
- Resin pockets, excessive resin, rot, mold, sapwood, insect damage, heartwood: Not permitted.
- If „patina“ (deliberate damage mimicking insect damage) is part of the design, it is allowed.

Tolerances

For wooden doors, the tolerances of wooden furniture under ČSN 91 0001 (Wooden Furniture – Technical Requirements) apply:

- Dimensional tolerances compared to values specified in documentation may be ± 0.5 mm.
- Due to material stress, warping of the product can occur – permissible tolerance is ± 4 mm per 1 m.

Dimensions

- Minimum size: 170 mm x 170 mm.
- Maximum size: 800 mm x 1,400 mm.

Applications and Instructions

- T.masiv products are intended for use in indoor environments defined by 30–65% relative humidity and temperatures ranging from 16–22°C.
- Changes in relative humidity from 65% to 90% cause significant shape and dimensional changes, which critically impact the development of latent defects (ČSN EN 101-2, ČSN EN 1995-1-1).
- Indoor conditions significantly influence potential shape deformations, cracks, dimensional deviations, and damage to surface finishes.

Such defects are a natural characteristic of solid wood and cannot be prevented or avoided.

- Products are supplied as semi-finished goods, meaning they do not include holes for handles.
- To determine the dimensions of glass or other infills, the opening must be measured, and the dimensions of the glass or infill derived accordingly.
- The dimensions of the glass or infill must be 2 mm ± 0.5 mm smaller than the opening.
- Provisions related to ČSN EN 14749 and ČSN EN 14072 outlined for the T.classic series apply to the entire product range, including T.masiv.
- As a manufacturer of furniture front panels, we are not responsible for the use of products with glass in violation of ČSN EN 14749 unless explicitly specified in the order.