

Materials, Construction, Certification

T.classic products are made from the following materials:

- Milled MDF boards of various thicknesses (commonly 18, 22, and 30 mm; other thicknesses available upon request).
- Water-resistant PVC, PE foils.
- Water-based adhesive cured under heat and pressure (heat resistance 70–80°C).

Certificates of suitability and non-hazardous nature are available for individual materials. Similarly, the final products of our company are also certified.

Dimensional Tolerances and Warping

Dimensional tolerances of products compared to values specified in documentation may be ± 0.5 mm.

Due to stress in the materials used, warping of the product can occur – permissible tolerance is ± 4 mm per 1 m.

Dimensional Limits

- Minimum width and height for edge processing only: 90 mm x 48 mm.
- Milled parts: maximum width 1,250 mm; maximum length 2,800 mm.
- Finished products with foil: maximum width 1,250 mm; maximum length 2,500 mm.
- For foils with a grain direction parallel to the roll, the dimension perpendicular to the grain cannot exceed 1,250 mm (most foils).
- For foils with grain direction or dominant print direction perpendicular to the roll (e.g., 7-3 steel bronze, 7-4 brown bronze), the dimension parallel to the grain or print cannot exceed 1,250 mm.

Doors of the T.classic MAT and SUPERMAT series are not primarily intended for handle-free use.

Instructions and Information

- Products are supplied as semi-finished goods, meaning they do not include holes for handles or hinges.
- Milled frames for glass or grids are supplied without glass or other infills, and means of securing them are generally not included. When glazing is performed by the customer, the following instructions must be followed:
 - Use a single continuous sealing strip around the entire perimeter of the glass or infill and secure it with silicone.
 - Determine the dimensions of the glass or infill by measuring the opening and deducting the necessary allowance.
 - The size of the glass or infill must be 2 mm ± 0.5 mm smaller than the opening.
 - Vertical glass components with an area ≥ 0.1 m², where the smallest dimension is ≥ 200 mm and positioned less than 900 mm above the floor, must comply with testing under ČSN EN 14072 or be made of safety glass that fractures in accordance with ČSN EN 14072.
 - For use in children's furniture or areas frequented by children, safety glass must always be used.
 - 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 such use is explicitly specified in the order.
 - The above provisions relating to ČSN EN 14749 and ČSN EN 14072 apply to the entire production program of Trachea Wood, a.s.

Heat Resistance Measures

Due to the maximum temperature resistance of the adhesive, we recommend installing protective metal strips (thermal shields) near built-in appliances, convection ovens, grills, etc., to prevent direct heat impact on adjacent doors. To reduce heat effects, we also suggest increasing the distance from heat sources to 18–20 mm on the sides and 30 mm below built-in ovens. The measures above should minimize damage to doors from heat exceeding the adhesive's temperature tolerance.

Important Notice: Any additional modifications to finished products (e.g., doors, decorative panels, table tops) such as drilling or milling holes into laminated surfaces or edges, or altering dimensions and shapes, may result in irreversible damage. Such modifications are strongly discouraged, and products altered in this way are not covered by standard warranty terms and periods.