

Materials and Construction

- The core material of T.acrylic doors is a particleboard with a thickness of 16 mm or 17 mm in supermatt versions.
- The front surface consists of either: Glossy acrylic with a thickness of 1.4 mm, Matte acrylic with a thickness of 1.2 mm, Supermatt acrylic with a thickness of 0.7 mm. These surfaces are additionally marked with a hologram and covered with a protective blue film.
- The rear side of single-sided glossy and matte panels is made of 1.2 mm polystyrene in the same color as the front surface (total panel thickness: 18.6 mm for gloss, 18.4 mm for matte). The rear side of supermatt panels is also made of 0.7 mm acrylic, matching the front surface (total thickness: 18.4 mm).
- Standard furniture edges are ABS, matching the front surface decor, or 3D edges for selected decors.
- PVC edges are not recommended.
- The material is suitable for food-contact environments, retains its gloss and color stability over time, and is highly resistant to UV radiation and moisture.
- Decor A01 white gloss is also available in a double-sided version, where both the front and rear sides are made of high-quality acrylic layers.
- T.acrylic 38 mm white gloss/2: Thickness: 38 mm, Decors: A01 white gloss, Rear side: white gloss, Panel size: 3,760 x 1,220 mm, Designation: A01D/38.

Note: T.acrylic is not suitable for manufacturing tabletops.

Certificates Issued by the Research and Development Institute for Woodworking

- T.acrylic furniture doors are certified for specific product properties, especially resistance to:
 - UV radiation.
 - Aging and moisture.
 - Scratches: Certificate no. 2422-5/13.
 - Light exposure: Certificate no. 2422-6/13.
 - Water: Certificate no. 2422-7/13.
 - Frost: Certificate no. 2422-8/13.
 - Impact: Certificate no. 2422-9/13.
 - Cold liquids: Certificate no. 2422-10/13.

Tolerances

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

Dimensions

- Minimum size: 100 mm x 100 mm for edged panels, 20 mm x 100 mm for cut-only panels.
- Maximum size:
 - Gloss and matte: 3,000 mm x 1,270 mm.
 - Supermatt: 2,780 mm x 1,200 mm.
- Option to order full acrylic panels: 3,740 mm x 1,270 mm (gloss, matte).

Applications and Instructions

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

- Suitable for front surfaces of furniture in residential and commercial interiors (furniture doors, cladding materials, built-in wardrobes).
- Material can be further processed by cutting, drilling, and milling, e.g., for recessed handles.
- Heat resistance in the surface area is over 150°C.
- Heat resistance of adhesive joints for edges is ± 80 to $\pm 90^\circ\text{C}$.
- Avoid exposure to direct flames (e.g., gas appliances – cladding of walls between upper and lower cabinet sets).
- For convection and other heat sources, use protective stainless steel strips (thermal shields) from our product range or maintain a minimum clearance of 20 mm from appliances.

Warning: Supplied products are not suitable for outdoor use.