

Technical file

Solid acrylic

General product description:

The solid acrylic sheets are made by an extrusion technique.
The acrylic sheets are UV proof and preserve their optical and mechanical characteristics.

Specific characteristics:

Mechanical characteristics	Impact resistance: 10 times more resistant than glass of the same thickness Charpy (4mm) DIN 53453 17 kJ/m ² Cold bending with minimal radius of 330 x thickness (mm)
Thermal characteristics	U-value simple sheet: 5.51 W/m ² K Continuous application temperature (uncharged) -20°C to 70°C
Optical characteristics	Clear : 92% (glass 90%) Opal max thickness 4 mm : 83% Bronze 40 3mm : 41%
Dimensions	Sheet thicknesses : between 2 and 12 mm Sheet dimensions: list on request
Density	1190 kg/m ³

Attestations and certificates:

Fire attestations E (DIN EN13501-1)
 B 2 (DIN 4102-1)
 Class 4 (NEN 6065 + 6066)