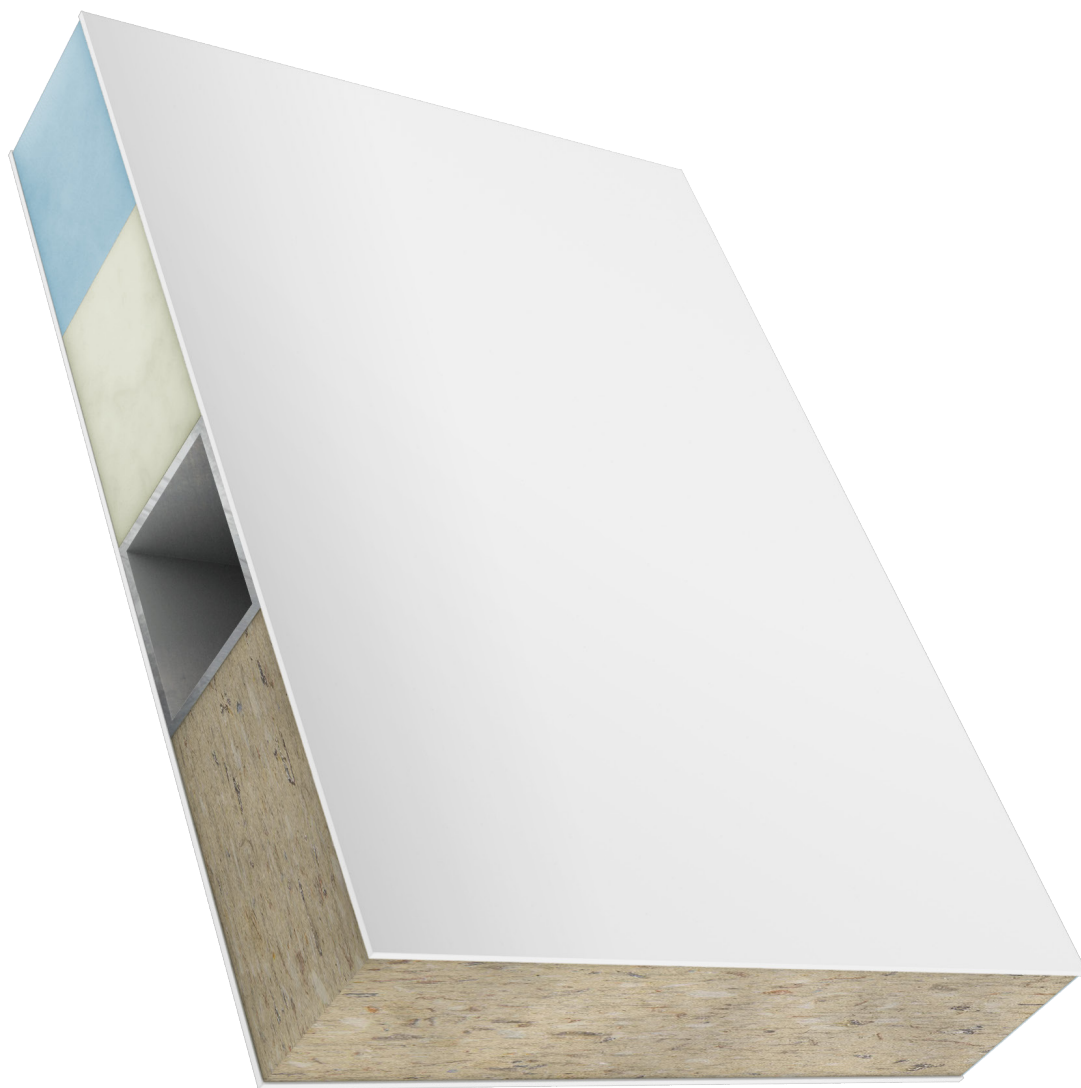




SANDWICHELEMENT

FB-GFK Glass-fibre Reinforced Plastic

Product Information

FB-GFK Glass-fibre Reinforced Plastic

10
YEARS

Description:

Glass-fibre reinforced plastic sandwich elements consist of a extruded polystyrene foam core and, on both faces, top layers of GRP.

Alternatively polyurethane foam can be used as a core material. The composite element is covered with a protective foil on both sides.

10 years Stadur guarantee

Properties:

- very good thermal insulation
- UV-endurance and UV-properties according to manufacturer's instructions
- easy to process with the usual wood and metal working tools
- light damage is easy to repair
- paintable (see Processing Instructions)

Facings:

GRP facing panels 1.3 mm, 1.5 mm and 1.8 mm with gel coat, white similar to RAL 9010 with protective foil coating. Further thicknesses and colours available on request.

Core Material:

Extruded polystyrene foam, CFC-free or CO₂ foamed, low vapour permeability, lowest water absorbance, B1 in accordance with DIN 4102. The foam core is corrugated for optimum adhesion. No dust release during processing. Core material of different thermal conductivity λ D-value 0.029 – 0.035 is available.

Overall Thickness:

The total thickness depends on requirements and can be freely selected in millimetre increments from 15 mm up to 80 mm (further on request). The total thickness tolerance is the sum of the individual tolerances of all materials used.

Formats:

Any format up to 14000 x 3200 mm can be manufactured. Tolerances in length and width are dependant on the length up to 3000 mm +/- 2 mm, up to 5000 mm +/- 4 mm, up to 8000 mm +/- 6 mm, up to 14000 mm +/- 10 mm

Technical Data:

The U-values are dependant on the material thicknesses.

Special Elements:

Stadur FB-GFK composite elements can be supplied with optimised sound insulation values by incorporating special sound insulation panels or with intrusion-inhibiting aluminium inserts. Edge jointing inserts of wood, plastic or aluminium and edge finishing of the foam core as a stepped rebate or tongue and groove are possible. Other core materials, e.g. polyurethane foam, mineral wool or honeycomb construction materials are available on request.

Areas of Application:

Window panels, door panels, facade elements, parapet elements, partition walls, balcony cladding, exhibition construction, boat and yacht building, advertising signs, container construction, refrigeration rooms

Note:

Always wear a protective mask when sawing or performing other work which produces chips. Do not use solvent-based paints and cover up/tape over open edges. Also refer to and observe the instructions of the facing panel manufacturer. With darker and brilliant colours the uneven surface of GRP and any inserts or reinforcements incorporated, tend to become much more visible. For further information please refer to our brochure: Processing Instructions

The product colours and surfaces shown in this brochure are subject to printing variations. Should you require exact colour and surface characteristics we recommend that you ask for a sample. Technical changes reserved. All business transactions are subject to our general terms and conditions which can be viewed at www.stadur.com.

