



SANDWICHELEMENT

FB-HDF Hard Fibre

STADUR
MADE IN GERMANY

Product Information

FB-HDF Hard Fibre



Description:

Hard fibre sandwich elements consist of an extruded polystyrene core and, on both faces, top layers of hard, wood fibre panels (sustainable production from domestic forestry thinnings).

10 years Stadur guarantee

Properties:

- very good thermal insulation
- standard implementation for indoor applications
- paintable
- easy to process with usual wood and metal working tools

Facings:

Standard implementation: Wood fiber hardboards 3.0 mm on both sides (not waterproof / not water-repellent); 4.0 mm special wood fibre hardboard facings can be used for outdoor applications.

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:

24 mm - Further thicknesses (thicker / thinner) of the facing layers or the foam core available on request.

Formats:

Standard implementation: 2600 x 1000 mm / 5200 x 1000 mm - Other formats and fixed formats are available on request.

Technical Data:	Overall Thickness	Facings	U-Value (λ D 0.029)	U-Value (λ D 0.035)
	24	3.0 mm	1.21	1.39

Special Elements:

Stadur FB-HDF 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:

Roller shutter casing, mounting board, shop fitting, indoor application, special implementation, furniture industry, exhibition construction, roof finishings, partition walls

Note:

Facing material must be chosen depending on the application (indoor/outdoor)! 3.0 mm wood fiber hardboards are suitable for indoor applications only. When solvent-based substances are employed polyurethane foam must be used as the core. For further information please refer to our brochure: Processing Instructions

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