GEPRÜFTE STADUR QUALITÄT

STADUR
Innovation und Systemlösungen
Made in Germany

Stadur Verbundelement FB-SPH

The Plywood Composite Board

Product Information
Stadur Composite Elements FB-SPH

Description:
FB-SPH composite elements consist of an extruded polystyrene core and 4.0 mm, untreated plywood panels on both sides.
10 years Stadur guarantee

Properties:
- very good heat insulation
- good sound insulation values
- very good compressive strength for veneering work
- lightweight
- easy to process with the usual wood and metal working tools

Facings:
3/5-ply bonded plywood 4.0 mm in A 100 quality in accordance with DIN 68705. Industrial roughing with K100. Various wood types and wood qualities can be supplied. Visible glue bleed-through has been excluded by using light melamine resin glue.

Foam core:
Extruded polystyrene foam, CFC-free or CO_2 foamed, low vapour permeability, lowest water uptake B1 in accordance with DIN 4102.The foam core is corrugated for optimum adhesion.
No dust release during processing.

Overall thickness:
24 mm
Further thicknesses (thicker/thinner) of the facings or the foam core available on request.

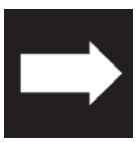
Formats:
2500 x 1700 mm
Further formats and standard dimensions available on request.

U and dB values:
The stated dB values are substantiated by a test certificate.

Thickness	Facing	U-value	dB-value	kg/m²
24 mm	4.0 mm	1.21	29	4.40

Special elements:
The Stadur FB-SPH composite elements can be supplied with optimum sound insulation values by incorporating special sound insulation panels, or with intrusion-inhibiting aluminium inserts with test certificate.
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.

Note:
The plywood surfaces and edges must be treated with water-soluble surface systems (paints). In the case of solvent-based paints the foam core must be sealed. The maximum pressure for veneering work is 12,000 kg/m².
Due to the special construction, a vapour barrier is not necessary (see additional information FB-SPH and FB-SPH/DN). When using solvent-based substances, polyurethane foam must be employed as the core.
Please refer to the processing instructions for further information.



Areas of use:
Door panels
Partition wall construction
Breastwork elements
Conservatory construction
Vehicle construction

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