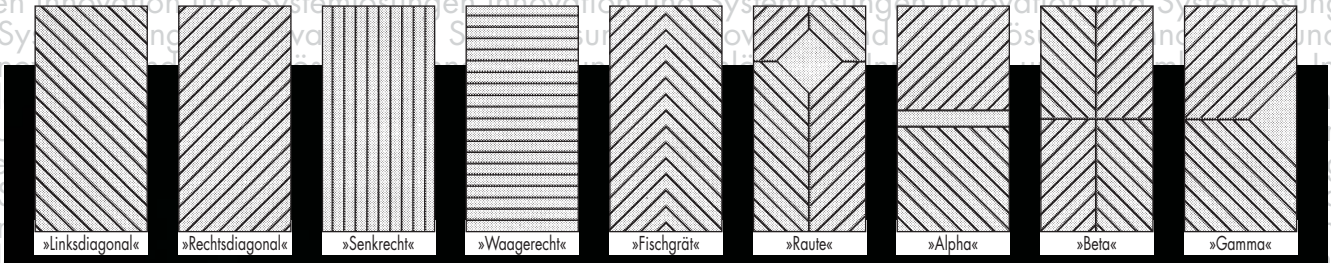
GEPRÜFTE QUALITÄT STADUR

STADUR
Innovation und Systemlösungen
Made in Germany



Stadur Verbundelement FB-SPH/DN Deckschichten FB-SPH/DN

Grooved Plywood as Composite Board or Facing

Product Information
Stadur Composite Element FB-SPH/DN

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Description:
FB-SPH/DN composite elements consist of an extruded polystyrene core, with a 9.0 mm plywood panel with Softline-grooving on one side. The 9.0 mm plywood panel is also separately available as a facing. The reverse side consists of a smooth 4.0 mm plywood panel. On request, elements grooved on both sides can be supplied.
The plywood panels are untreated.
10 years Stadur guarantee

Properties:
- very good thermal insulation (composite element)
- good sound insulation values (composite element)
- lightweight
- easy to process with the usual wood and metal working tools

Facings:
On one side ***7-ply*** bonded plywood in A100 quality in accordance with DIN 68705.Industrial roughing with K100. In the case of sliced veneer, the face veneer is applied vertically, left/right diagonally or in chevron pattern, running parallel with the approx. 4.5 mm deep Softline-grooving. In the case of rotary-cut veneers, the face veneer is only available applied vertically. The centres are generally aligned vertically and do not correspond with the wood used for the face veneers; colour-matched alternatives are used instead. (Groove types: see overleaf).
Reverse side 4.0 mm smooth plywood panels, bonded in A100 quality in accordance with DIN 68705. Various wood types and qualities can be supplied. Visible glue through-bleeding has been excluded by using light melamine resin glue.

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

Overall thickness:
30 mm (composite element)
9 mm (plywood facing)
Further thicknesses (thicker/thinner)of the facings or the foam core available on request.

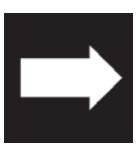
Formats:
2150 x 920 mm
Further formats and standard dimensions available on request.

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

Thickness	U-value	dB-value	kg/m²
30 mm	1.11	approx. 29	8.2

Special elements:
Stadur FB-SPH/DN composite elements can be supplied with optimised sound insulation values by incorporating special sound insulating panels, or with intrusion inhibiting aluminium inserts with test certificate. Inset edging strips of wood, plastic or aluminium and edge machining of the foam core as a steped rebate or tongue and groove are possible. Other core materials such as PUR-foam, mineral wool or honeycomb construction materials are available on request.
In our own milling centre we are able to offer Individual groove patterns and various groove geometries according to your needs and wishes.

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 masked. The maximum pressure for veneering work is 12.000 kg/m². Due to the special construction a vapour barrier is not required (see additional information FB-SPH and FB-SPH/DN). When employing solvent-based substances PUR-foam must be employed as the core layer.
To ensure a flawless paint finish, the entire groove bottom must be sanded prior to priming.
Please refer to the processing instructions for further information.



Applications:

Door panels	Partition wall construction
Conservatory construction	Breastwork elements

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