



STADUR

Innovation und Systemlösungen

Made in Germany



GARANTIE URKUNDE

Subject to the
observance of our processing and
storage instructions,
terms of warranty, and General Terms
and Conditions of Business
we grant for the bonding
of our products

10 Years Guarantee



STADUR
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Stadur Produktion GmbH & Co. KG
Ottensheim 24-26 • D-22716 Reinbek
Telefon +49 (0) 4144 254-0 • Telefax +49 (0) 4144 254 100
E-Mail: info@stadur.com • www.stadur.com

Stadur Verbundelemente FB-4 FB-4/PVC

The Aluminium Composite Board

Product Information

Stadur Composite Elements FB-4, FB-4/RAL, FB-4/Eloxal, FB-4/Blank, FB-4/PVC



Description:

FB-4 composite elements consist of an extruded polystyrene core and 1.5 mm or 2.0 mm facings of aluminium on both sides. (Further thicknesses e.g. 0.8 mm, 1.0 mm, 1.2 mm available on request). The composite element is coated on both sides with a protective foil (FB-4/Blank is available only at extra charge, without foil, surface scratches must be expected).
10 years Stadur guarantee



Properties:

- very good heat insulation
- UV-Endurance
- good sound insulation values
- high intrusion security
- extremely high stability
- easy to process with the usual metal working tools



Facings:

1.5 mm or 2.0 mm aluminium panels in white, blank, anodised or painted in all RAL and NCS colours. Further thicknesses (e.g. 0.8 mm, 1.0 mm, 1.2 mm) available on request.



Foam core:

Extruded polystyrene foam, CFC-free or CO₂ foamed, low vapour permeability, lowest water uptake B 1 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 of the foam core available on request.



Formats:

2000 x 1000 mm 3000 x 1500 mm
2500 x 1250 mm 4000 x 1500 mm
Further formats and standard dimensions available on request.



U- and dB-values:

The stated dB-values are substantiated by a test certificate.

Thickness	Facings	U-value	dB-value	kg/m ²	Facings	U-value	dB-value	kg/m ²
24 mm	1.5mm	1.06	33	9.00	2.0 mm	1.10	–	11.70



Special elements:

Stadur FB-4 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.



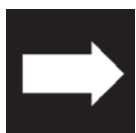
Note:

FB-4 elements can be supplied under the designation **FB-4/PVC** faced on one side with painted aluminium 1.5 mm (all RAL colours), and on one side with white PVC board 1.5 mm thick. (In the formats 2000 x 1000 mm and 3000 x 1500 mm only).

The elements can also be supplied with prepared edges (cassette form) for fashioning facades with laminated glass. When using solvent-based substances, polyurethane foam must be employed as the core.

With **FB-4/Blank** elements, surface scratches must be expected due to the lack of protective foil.

Please refer to the processing instructions for further information.



Applications:

Window panels	Breastwork	Facade elements
Door panels	Vehicle construction	
Advertising signs	Exhibition construction	