



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



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Stadur Verbundelement FB-2

The Composite Board with Laminated Facings

Product Information

Stadur Composite Element FB-2



Description:

FB-2 composite elements consist of an extruded polystyrene core and 2.0 mm laminated facings (melamine/HPL) on both sides.
10 years Stadur guarantee



Properties:

- very good thermal insulation
- UV-Endurance
- good sound insulation values
- paintable
- high impact and scratch resistance
- heavy surface contamination (graffiti) removable without trace using suitable agents
- easy to process with usual wood and metal working tools



Facings:

Standard version: laminated facings on both sides 2.0 mm white, silk matt.

Further shades of white or other colours available according to colour cards.

Special version: Laminated facings on both sides 2.0 mm white (FH 85) and dark brown (FH 648 – no guarantee for colour-fastness in outdoor applications).

Further colours are available according to sample cards.

Laminated facings in B1 (DIN 4102 flame resistant) can be delivered on request.



Foam core:

Extruded polystyrene foam, CFC-free or CO₂ foamed, low vapour permeability, lowest water absorbance B1 in accordance with DIN 4102.

The foam core is grooved for optimum adhesion.

No dust release during processing.



Overall thickness:

24 mm

Further thicknesses (thicker/thinner) of the facing layers or the foam core are available.



Formats:

Standard version: 2150 x 950 mm, 3050 x 1300 mm and 4200 x 1610 mm

Special versions: 2800 x 1300 mm

Further formats and standard dimensions available on request.



U- und dB-Werte:

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

| Thickness | U-value | dB-value | kg/m ² |
|-----------|---------|----------|-------------------|
| 24 mm | 1.08 | 31 | 6.60 |



Special Elements:

The Stadur FB-2 composite elements can be supplied with optimised sound insulation values by incorporating special sound insulation 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 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.



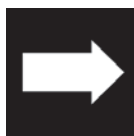
Note:

In order to avoid any absorption of water at the cutting edges it is recommended to mask the open edges with aluminium foil.

Tests have shown that, especially with painted laminated boards with a dark surface, under certain climatic conditions (very high or very low air humidity values and/or great thermal stresses) warping can occur.

Due to this, following construction and in the event of prolonged disuse of a building, appropriate ventilation and normal ambient humidity within the rooms must be ensured. Non-compliance will result in any guarantee being void. Please contact our applications technologists early in the planning stage. When solvent-based substances are used, PUR foam must be employed as the core layer.

Please refer to the processing instructions for further information.



Areas of application:

Window panels
Door panels
Facade elements

Breastwork
Partition walls
Balcony facings

Exhibition construction