



# SANDWICHELEMENT

**FB-1** PVC

**STADUR**  
MADE IN GERMANY

# Product Information

## FB-1 PVC



### Description:

PVC sandwich elements consist of an extruded polystyrene core and, on both faces, top layers of hard PVC of 1.0 mm, 1.3, 1.5 mm or 2.0 mm thickness. The composite element is covered with a protective foil on both sides.

### Properties:

- very good thermal insulation
- UV-resistant (5 years manufacturer's guarantee for the PVC facings)
- high impact resistance
- easy to process with the usual wood and metal working tools

### Facings:

Hard-PVC compact panels on both sides, 1.0 mm, 1.5 mm or 2.0 mm

Standard colour: White similar to RAL 9016 brilliant or satined

Please refer to the current price list for valid formats and thicknesses of each colour.

### Core Material:

Extruded polystyrene foam, CFC-free or CO<sub>2</sub> foamed, low vapour permeability, lowest water absorbance, Fire protection class E according to EN 13501-1. The foam core is corrugated for optimum adhesion. No dust release during processing. Core material of different thermal conductivity  $\lambda$ 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:

2000 x 1000 mm / 3000 x 1500 mm / 3000 x 2000 mm. Other formats and fixed formats are available on request.

### Technical Data:

Overall Thickness	Facings	U-Value ( $\lambda$ D 0.029)	U-Value ( $\lambda$ D 0.035)
24	1.0 mm	1.06	1.23
24	1.5 mm	1.10	1.26

### Special Elements:

PVC Sandwich elements can be supplied with optimised sound insulation values by incorporating special sound insulation panels or with intrusion-inhibiting aluminium inserts. Other core materials, e.g. polyurethane foam, mineral wool or honeycomb construction materials are available on request.

### Areas of Application:

Window panels, parapet elements, partition walls, exhibition construction, door panels, container construction, balcony cladding, boat and yacht building, facade elements, refrigeration rooms, advertising signs

### Note:

Due to the thermoplastic material properties of PVC we advise against the use of coloured facings for outdoor use. In the case of subsequently painted elements for which Stadur has given no written release any claim under the guarantee is void. Due to considerably better sound insulation values and a clearly quieter element we recommend the use of 2.0 mm facing layers. 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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