



# SANDWICHELEMENT

**FB-1/EXN** PVC Extruded Groove

# Product Information

## FB-1/EXN PVC Extruded Groove



### Description:

PVC extruded groove sandwich elements consist of an extruded polystyrene core and a white 2.2 mm PVC facing with extruded groove on one side. The reverse side consists of a smooth 1.3 mm white PVC panel. On request elements with grooves on both sides are available. The composite element is covered with a protective foil on both sides.

### Properties:

- very good thermal insulation
- UV-endurance
- high impact resistance
- easy to process with the usual wood and metal working tools

### Facings:

2.2 mm hard-PVC panels with perpendicular extruded groove on one side. The surface is white, satined, similar to RAL 9016. Reverse side 1.3 mm hard-PVC panel, white, matt, similar to RAL 9016, smooth

### 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 are available on request.

### Formats:

2100 x 1000 mm / 3000 x 1500 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	2.2/1.3 mm	1.11	1.28

### Special Elements:

PVC extruded groove 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, door panels, balcony cladding, facade elements, folding blinds

### Note:

In case of elements with grooves on both sides a groove displacement up to 10 mm may occur due to production related conditions. In the case of subsequently painted elements for which Stadur has given no written release any claim under the guarantee is void. 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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