

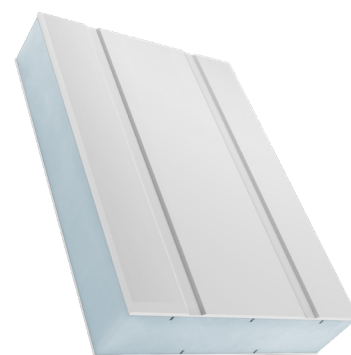


SANDWICHELEMENT

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-resistant (5 years manufacturer's guarantee for the PVC facings)
- high impact resistance
- easy to process with the usual wood and metal working tools
- the sandwich element as a finished end product can be safely disposed in household waste

Facings:

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

Core Material:

Extruded polystyrene foam, CFC-free or CO₂ 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 λ D-value 0.029 - 0.035 is available.

Formats:

2100 x 1000 mm / 3000 x 1500 mm - Other formats and fixed formats are available on request.

Overall Thickness	Facings	U-Value (λ D 0.029)	U-Value (λ D 0.033)	R-Value (λ D 0.029)	R-Value (λ D 0.033)	Weight (kg/m ²)
24 mm	2.2 / 1.3 mm	1.11	1.24	0.73	0.63	5.56
28 mm	2.2 / 1.3 mm	0.96	1.08	0.87	0.75	5.69
32 mm	2.2 / 1.3 mm	0.85	0.96	1	0.88	5.82
36 mm	2.2 / 1.3 mm	0.76	0.85	1.14	1.01	5.96
24 mm	2.2 / 2.2 mm	1.13	1.24	0.72	0.63	6.82
28 mm	2.2 / 2.2 mm	0.97	1.08	0.86	0.75	6.95
32 mm	2.2 / 2.2 mm	0.86	0.96	0.99	0.88	7.08
36 mm	2.2 / 2.2 mm	0.77	0.86	1.13	1	7.22

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) 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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