



SANDWICHELEMENT

FB-1/SLN Stadurlon grooved

Product Information

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Description:

Stadurlon grooved sandwich panels consist of an extruded polystyrene core and, on one face, a painted top layer of 2.0 mm Stadurlon with a Softline grooving. The reverse side consists of a smooth 1.5 mm Stadurlon-facing. Elements grooved on both sides can be supplied on request. The sandwich panel is covered with a protective foil on both sides.

Properties:

- excellent heat insulation
- UV-resistant
- high impact resistance
- easy to process with conventional wood and metal tools
- paintable
- groove width: 10 mm

Facings:

On one side a 2.0 mm painted Stadurlon panel, which has a 1.0 mm deep Softline-grooving (groove types: see Product Information Grooving Geometry). Reverse side: smooth 1.5 mm Stadurlon panel white similar to RAL 9016 silk-matt (unpainted). Further colours available on request.

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:

2000 x 1000 mm

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	1.13	1.23	0.71	0.61	4.58
28 mm	2.2 / 1.3 mm	0.97	1.07	0.85	0.74	4.71
32 mm	2.2 / 1.3 mm	0.86	0.96	0.99	0.86	4.84
36 mm	2.2 / 1.3 mm	0.77	0.86	1.13	0.99	4.98
24 mm	2.2 / 2.2 mm	1.15	1.28	0.7	0.61	5.14
28 mm	2.2 / 2.2 mm	0.99	1.11	0.83	0.73	5.27
32 mm	2.2 / 2.2 mm	0.87	0.97	0.97	0.85	5.40
36 mm	2.2 / 2.2 mm	0.78	0.87	1.11	0.98	5.54

Special Elements:

Stadurlon grooved 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. In our own milling centre we are able to offer individual groove patterns and various groove geometries according to your needs and wishes.

Areas of Application:

Partition walls, folding blinds, facade elements, balcony cladding, door panels, parapet elements, window panels

Note:

A variety of colours even special and metallic colours in different gloss grades are available. Groove bases are likewise painted to prevent dirt collecting. The paint is absolutely weather-resistant. In the case of subsequently painted elements for which Stadur has given no written release any claim under guarantee is void. When solvent-based substances are used PUR foam must be employed as the core layer. For further information please refer to our brochure: Processing Instructions

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