



SANDWICHELEMENT

FB-3/SL Decorative Foil

Product Information

FB-3/SL Decorative Foil

10
YEARS

Description:

Stadurlon decorative foil sandwich elements consist of an extruded polystyrene core (alternatively a polyurethane foam core can be used on request) and, on both faces, foil-laminated top layers (Renolit, Cova, Hornschuch) of Stadurlon. The reverse side can, alternatively, be supplied in white Stadurlon. The composite element is covered with a protective foil on both sides.

10 years Stadur guarantee.

Properties:

- very good thermal insulation
- UV-endurance (see manufacturer's guarantee for decorative foils)
- high impact resistance even in low temperatures
- easy to process with the usual wood and metal working tools

Facings:

Stadurlon sheets 1.5 mm that are coated with a decorative foil on both sides. Alternatively the reverse side is also available with white 1.5 mm Stadurlon sheets. For decorative foils available please refer to the current price list.

Core Material:

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

Overall Thickness:

24 mm - Further thicknesses (thicker / thinner) of the facing layers or the foam core available on request.

Formats:

2150 x 950 mm / 3050 x 1300 mm - Other formats and fixed formats are available on request.

Technical Data:

Overall Thickness	Facings	U-Value (λ D 0.029)	U-Value (λ D 0.035)
24	1.5 mm	1.11	1.29

Special Elements:

Stadurlon decorative foil sandwich elements can be supplied with optimised sound insulation values by incorporating special sound insulation panels or with intrusion-inhibiting aluminium inserts. Edge jointing inserts of wood, plastic or aluminium and edge finishing 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.

Areas of Application:

Window panels, parapet elements, folding blinds, door panels, partition walls, exhibition construction, facade elements, balcony cladding

Note:

Maximum surface temperatures of +85°C were measured during tests, also using dark decor surfaces. Therefore outdoor use of FB-3/SL in direct sunlight is also permissible. The longitudinal expansion (of approx. 0.8 mm at a temperature difference of 10°C) can already be minimised in advance in accordance with the maximum anticipated surface temperature.

Example: The longitudinal expansion is limited to 4.8 mm/running metre due to processing (e.g. cutting to size) at a room temperature of 20°C and a maximum anticipated temperature of 80°C. Stadurlon absorbs practically no moisture; therefore the cutting edge need not be taped off as opposed to HPL carrier panels. For further information please refer to our brochure: Processing Instructions

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