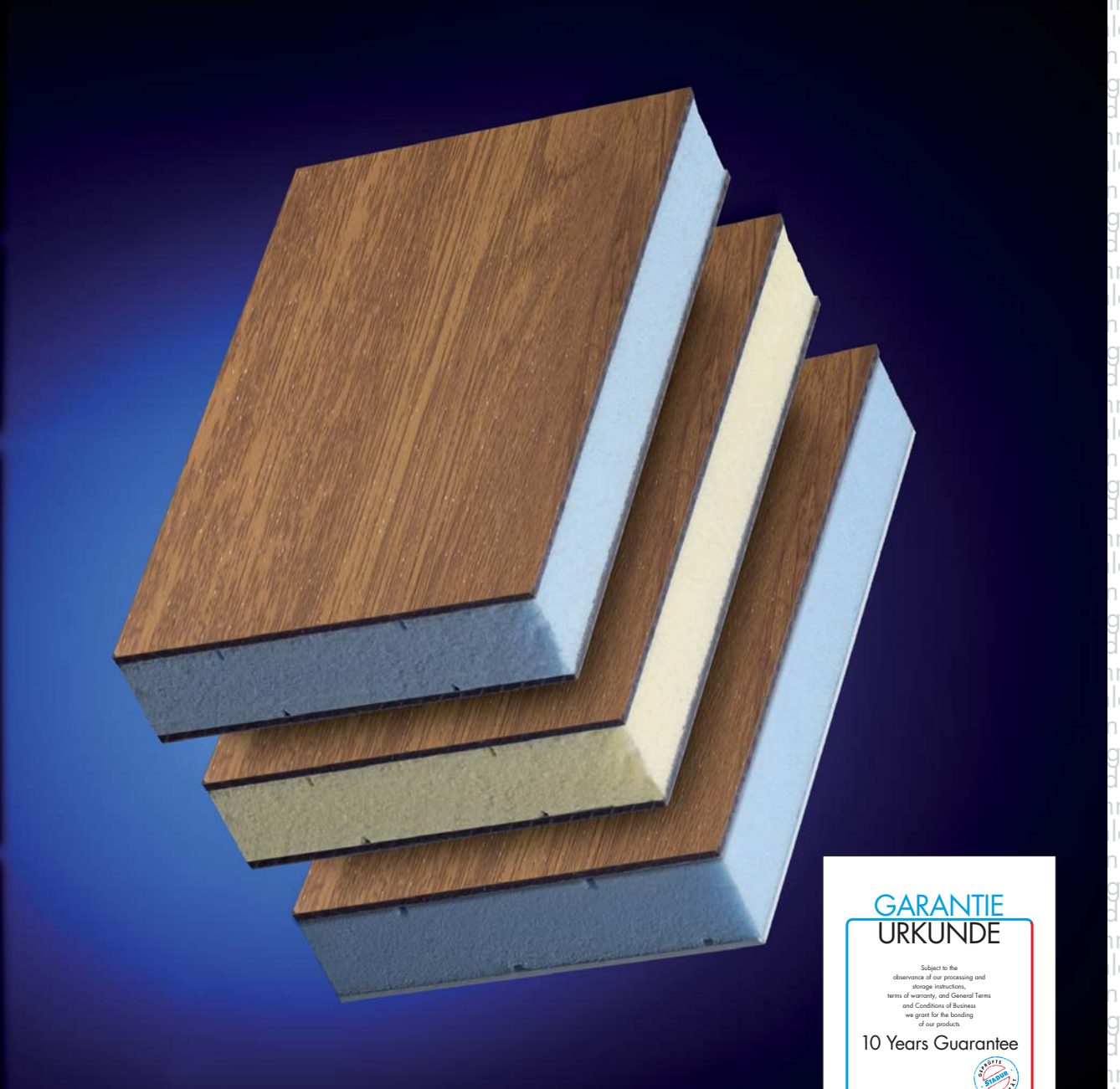




STADUR

Innovation und Systemlösungen

Made in Germany



**GARANTIE
URKUNDE**

Subject to the
observance of our processing and
storage instructions,
terms of warranty and General Terms
and Conditions of Business,
we grant for the bonding
of our products

10 Years Guarantee



STADUR
Innovation und Systemlösungen

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Stadur Verbundelement FB-3/SL

The Stadurlon Wood Decor Composite Board

Product Information

Stadur Composite Element FB-3/SL



Description:

FB-3/SL composite elements consist of an extruded polystyrene core (alternatively, a polyurethane foam core can be used on request) and Stadurlon facings on both sides, coated with decorative foil (Renolit, Cova, Hornschuch). Alternatively the reverse side is also available with white Stadurlon facings. The composite element is coated 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)
- good sound insulation values
- 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. Available wood decor foils according to the valid price list.



Foam core:

Extruded polystyrene foam, CFC-free or CO₂ foamed, low vapour permeability, lowest water uptake B1 in accordance with DIN 4102. The foam core is corrugated for optimum adhesion. No dust release during processing. Alternatively, CFC and HCFC-free polyurethane foam B2 in accordance with DIN 4102, can be used.



Overall thickness:

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



Formats:

2150 x 950 mm
3050 x 1300 mm
Further formats and standard dimensions available on request.



U-value and weight:

Thickness	U-value	kg/m ²
24 mm	1.22	4.30

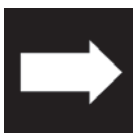


Note:

The Stadurlon panels, covered with wood decor foils, are temperature-resistant up from -20°C to +120 °C. Maximum surface temperatures of +90°C were measured during tests, also using dark wood decor surfaces. Therefore, outdoor use of FB-3/SL in direct sunlight is also permissible. Our 10-year guarantee applies to the bonding. The UV guarantee of the wood decor foils is taken from the manufacturer's information. The longitudinal expansion of approx. 0.8 mm at a temperature difference of 10°C must be observed. This must absolutely be taken into consideration during processing/padding.

Recommendation:

The longitudinal expansion 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 as 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.



Areas of application:

Window panels	Partition walls	Exhibition construction
Door panels	Balcony facings	Interior fittings
Breastwork elements	Folding shutters	