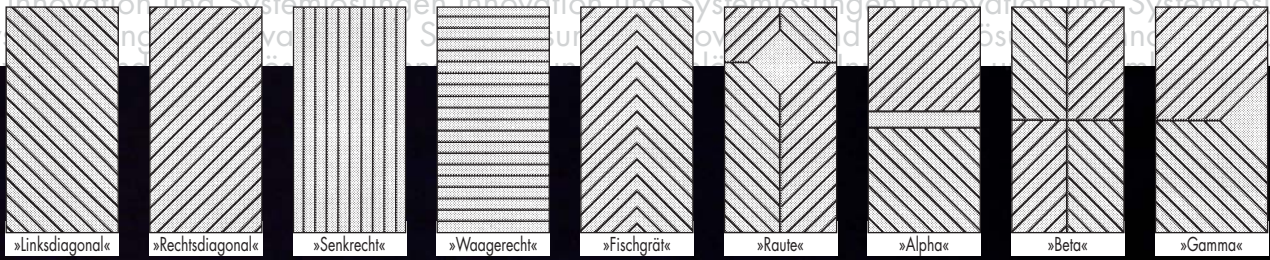




# STADUR

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**  
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# Stadur Verbundelement FB-4/DN gefräst

## The Aluminium Composite Board with Milled Grooving

# Product Information

## Stadur Composite Element FB-4/DN milled



### Description:

FB-4/DN milled composite elements consist of an extruded polystyrene core and a 1.5 mm aluminium panel, white painted on one surface, with Softline grooving on one side. The reverse side consists of a smooth 1.5 mm aluminium panel painted white. On request, elements grooved on both sides can be supplied.

The composite element is provided with a protective foil on both sides.

10 years Stadur guarantee



### Properties:

- very good thermal insulation
- UV-Endurance
- very good sound insulation values
- high intrusion security
- high impact resistance
- easy to process with the usual metal working tools



### Facings:

1.5 mm aluminium panels, painted white on one side (RAL 9010/RAL 9016), which have an approx. 1.1 mm deep Softline grooving (Groove types: see illustrations overleaf). Reverse side: 1.5 mm smooth aluminium panels painted white (RAL 9010/RAL 9016).



### Foam core:

Extruded polystyrene foam, CFC-free or CO<sub>2</sub> foamed, high impermeability to vapour, lowest water uptake B1 in accordance with DIN 4102. The foam core is grooved for optimum adhesion.

No dust release during processing.



### Overall thickness:

24 mm

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



### Format:

2000 x 1000 mm

2500 x 1250 mm

3000 x 1500 mm (left-/right diagonal, vertically, horizontal grooved)

Further formats and standard dimensions available on request.



### U- and dB-value:

Thickness	U-value	dB-value	kg/m <sup>2</sup>
24 mm	1.06	approx. 33	9.00



### Special elements:

Stadur FB-4/DN milled elements can be supplied with optimised sound insulation values by incorporating special sound insulation panels, or with intrusion inhibiting aluminium inserts with test certificate. Inset edging strips of wood, plastic or aluminium and edge machining of the foam core as a stepped rebate or tongue and groove are possible. Other core materials such as PUR-foam, mineral wool or honeycomb construction materials 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.**



### Note:

When solvent-based substances are used, PUR foam must be employed as the core layer.

Please refer to the processing instructions for further information.



### Areas of application:

Window panels

Balcony facings

Door panels

Breastwork elements