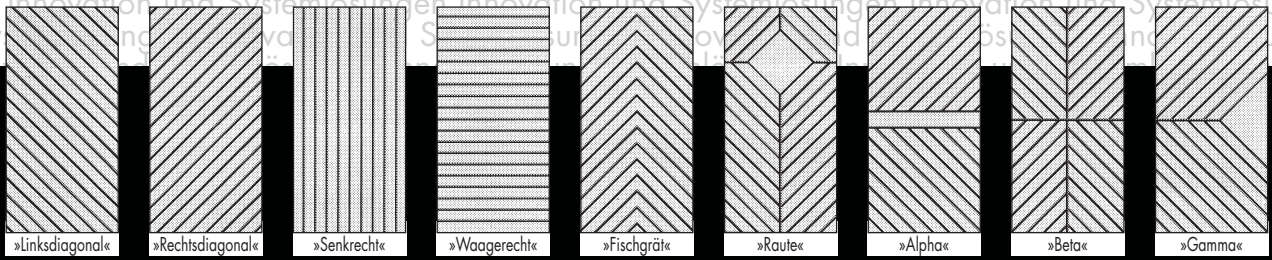




**STADUR**  
Innovation und Systemlösungen

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

Stadur Produktion GmbH & Co. KG  
Ottensheim 31-41 • D-22774 Hamburg  
Telefon +49 (0) 41 44 234 0 • Telefax +49 (0) 41 44 234 100  
E-Mail: stadur@stadur.com • www.stadur.com

# Stadur Verbundelement FB-3/DN

**The Inimitable Grooved Board with Renolit**

# Product Information

## Stadur Composite Element FB-3/DN



### Description:

FB-3/DN composite elements consist of an extruded polystyrene core (alternatively a polyurethane foam core can be provided on request) and an aluminium or a HPL facing laminated with decorative foil (Renolit, Cova, Hornschuch) and grooved with a Softline grooving on one side. The reverse side consists of a smooth skin of aluminium or HPL laminated with decorative foil (Renolit, Cova, Hornschuch). On request, elements with grooving 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 (see manufacturer's guarantee for decorative foils)
- high intrusion security
- high impact resistance
- easy to work with the usual wood and metal working tools



### Facings:

**Front:** HPL 2.0 mm; aluminium 1.5 mm laminated with decorative foil which has an approx. 1.0 mm deep Softline-grooving (groove types: see illustrations overleaf).

**Back:** HPL 2.0 mm; aluminium 1.5 mm laminated with decorative foil, smooth.  
A wide range of decorative foils is available (see décor list).



### Foam core:

Extruded polystyrene foam, CFC-free or CO<sub>2</sub> foamed, low vapour permeability, lowest water absorbance, B1 in accordance with DIN 4102. The foam is grooved for optimum adhesion. Dust free cutting and processing. Alternatively, polyurethane foam, CFC- and HCFC-free, B2 in accordance with DIN 4102 can be provided on request.



### Overall thickness:

24 mm

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



### Formats:

HPL: 2150 x 950 mm

Aluminium: 2000 x 1000 mm

Further formats and standard dimensions available on request.



### U- and dB-values:

Thickness	U-value	dB-value	kg/m <sup>2</sup>
HPL 24 mm	1.08	approx. 31	6.50
Aluminium 24 mm	1.06	approx. 33	9.00



### Special Elements:

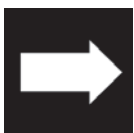
The Stadur FB-3/DN composite elements can be supplied with optimised sound insulation values by incorporating special sound insulation panels, or with intrusion inhibiting aluminium inserts with test certificate. Inset edging strips of wood, plastic or aluminium and edge machining of the foam core as a stepped rebate or tongue and groove are possible. Other core materials, e.g. polyurethane foam, mineral wool or honeycomb construction materials are available on request.



### Note:

Alternatively the reverse side can be provided in white.

Please refer to the processing instructions for further information.



### Areas of use:

Window panels

Door panels

Breastwork elements

Balcony facings