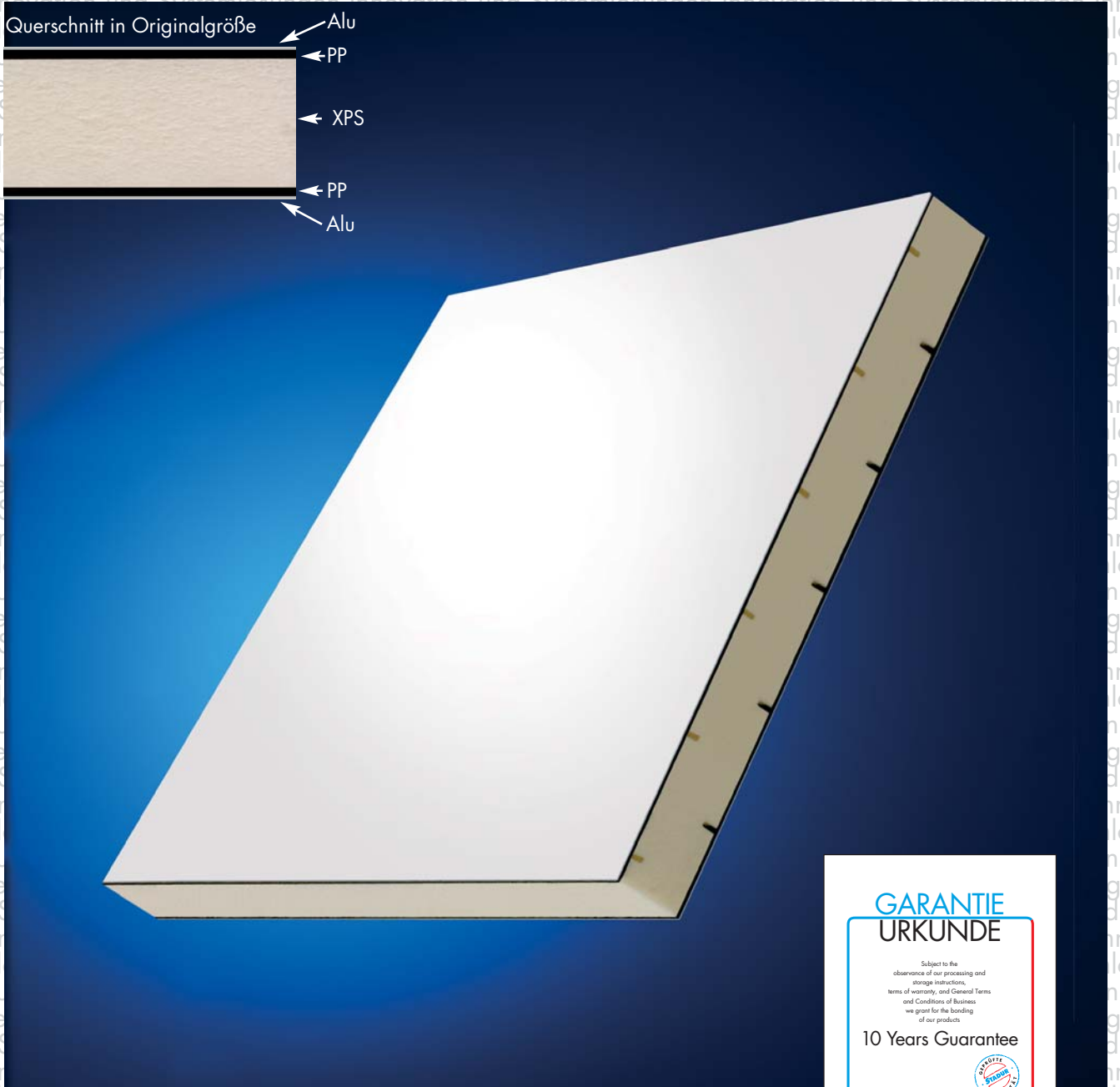




**STADUR**  
Innovation und Systemlösungen

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 24 41234-10  
Telefon +49 (0) 4144 254-0 Fax +49 (0) 4144 254 100  
E-Mail: info@stadur.com www.stadur.com

**Stadur Verbundelement  
FB-4/PP**

**The Innovative Aluminium Composite Panel**

# Product Information

## Stadur Composite Element FB-4/PP



### Description:

FB-4/PP composite elements consist of an extruded polystyrene core and a 1.5 mm aluminium composite facing (aluminium/PP) on each side. The composite element is covered with a protective foil on both sides. 10 years Stadur Guarantee



### Properties:

- very good thermal insulation
- lightweight
- excellent stiffness
- high UV-Endurance
- excellent dimensional stability
- easy to process with usual wood and metal working tools



### Facings:

1.5 mm aluminium composite panels (aluminium/PP) with choices of different RAL colours.

Standard colours: white similar to RAL 9010 and RAL 9016 (gloss level 35% and 80%)

silver similar to RAL 9006 (gloss level 25%)

Special colours: red (~RAL 3020), blue (~RAL 5002), yellow (~RAL 1023), green (~RAL 6024), black (~RAL 9005) and light ivory (~RAL 1015)

All special colours are available with gloss level 35% and 80%



### Foam core:

Extruded polystyrene foam, CFC-free or CO<sub>2</sub> foamed, low vapour permeability, high moisture resistance, B1 in accordance with DIN 4102. The foam core is grooved for optimum adhesion.

No dust release during processing.



### Overall thickness:

24 mm

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



### Formats:

3000 x 1500 mm

Other formats and standard dimensions available on request.



### U- and dB-value:

Thickness	Facings	U-value	dB-value	kg/m <sup>2</sup>
24 mm	1.5 mm	1.05	–	4.9

Please refer to the technical data sheet for further values.



### Special elements:

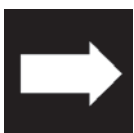
The Stadur FB-4/PP composite elements can also be supplied incorporating special sound insulation layers to provide optimum acoustic insulation performance. Additionally Stadur FB-4/PP composite elements can be supplied incorporating steel or aluminium sheet layers providing maximum security against break-in.

Edge jointing inserts of wood, plastic or aluminium are available as also is edge profiling of the foam core in the form of a rebate or tongue and groove. Alternative core materials, e.g. polyurethane foam, mineral wool or honeycomb construction are available on request.



### Note:

Different colours on the front and rear side are available on request.



### Areas of application:

Window panels

Door panels

Balcony facings and facade elements

Signboards

Vehicle construction

Modular construction panels

Partition wall building

Marine building panels