



# SANDWICHELEMENT

**FB-4/PP** Aluminium

# Product Information

## FB-4/PP Aluminium



### Description:

Aluminium PP sandwich elements consist of an extruded polystyrene core and, on both faces, a 1.5 mm thick composite aluminium panel (Aluminium/PP). 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 stability, easy to process with usual wood and metal working tools

### Facings:

1.5 mm aluminium composite panels (aluminium/PP) – liquid coating according to ECCA standard  
Standard colours: white similar to RAL 9010 and RAL 9016 (gloss level 35% and 80%), silver similar to RAL 9006 (gloss level 30%), light ivory similar to RAL 1015 (gloss level 35% and 80%). Special colours on request

### Core Material:

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 core is corrugated for optimum adhesion. No dust release during processing. Core material of different thermal conductivity  $\lambda_D$ -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:

3000 x 1500 mm – Other formats and fixed formats are available on request.

### Technical Data:

| Overall Thickness | Facings | U-Value ( $\lambda_D$ 0.029) | U-Value ( $\lambda_D$ 0.035) |
|-------------------|---------|------------------------------|------------------------------|
| 24                | 1.5 mm  | 1.12                         | 1.29                         |

### Special Elements:

Aluminium PP 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, exhibition construction, partition walls, door panels, vehicle construction, boat and yacht building, facade elements, advertising signs, container construction

### Note:

Different colours on the front and rear side are available on request. For further information please refer to our brochure: Processing Instructions

The product colours and surfaces shown in this brochure are subject to printing variations. Should you require exact colour and surface characteristics we recommend that you ask for a sample. Technical changes reserved. All business transactions are subject to our general terms and conditions which can be viewed at [www.stadur.com](http://www.stadur.com).