SANDWICHELEMENT

FB-3 Decorative Foil

STADUR
MADE IN GERMANY

Product Information

FB-3 Decorative Foil

Description:
Decorative foil sandwich elements consist of an extruded polystyrene core (alternatively a polyurethane foam core can be used on request) and, on both faces, foil-laminated top layers of laminate, aluminium or epoxide. Alternatively, the reverse side can be supplied in white with the designation FB-3/PVC or FB-3/Laminate. The composite element is covered with a protective foil on both sides.

Properties:
- very good thermal insulation
- UV-endurance (see manufacturer's guarantee for decorative foils)
- easy to process with the usual wood and metal working tools

Facings:
Laminated panels 2.0 mm, aluminium panels 1.5 mm, epoxide panels 1.0 mm, which are coated with decorative wood foil. Alternatively the reverse side is also available in 2.0 mm white PVC or HPL. For decorative foils available please refer to the current price list.

Core Material:
Extruded polystyrene foam, CFC-free or CO2 foamed, low vapour permeability, lowest water absorbance, Fire protection class E according to EN 13501-1. The foam core is corrugated for optimum adhesion. No dust release during processing. Core material of different thermal conductivity λD-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:
Laminate: 2150 x 950 mm / 3050 x 1150 mm / 3050 x 1300 mm
Aluminium: 2000 x 1000 / 3000 x 1300 mm
Epoxide: 2000 x 900 mm / 2100 x 1000 mm – Other formats and fixed formats are available on request

Technical Data:	Overall Thickness	Facings	U-Value (λD 0.029)	U-Value (λD 0.035)
	24	2.0 mm Laminate	1.14	1.32
	24	1.5 mm Aluminium	1.11	1.29

Special Elements:
Decorative foil sandwich elements can be supplied with optimised sound insulation values by incorporating special sound insulation panels or with intrusion-inhibiting aluminium inserts. Other core materials, e.g. polyurethane foam, mineral wool or honeycomb construction materials are available on request.

Areas of Application:
Window panels, parapet elements, folding blinds, door panels, partition walls, exhibition construction, facade elements, balcony cladding

Note:
For large areas (> 800 x 800 mm) aluminium panels should be used for the facing layers. Due to the dark colour of some of the surfaces warping can otherwise occur in outdoor applications. Latest tests have shown that foil-coated laminated boards can warp shortly after production and/or during normal storage on pallets, irrespective of the core material employed. In order to regain a level plane, the warped boards are stacked upside-down on a level surface and subjected to "normal" room temperature (20°C – 25°C) with an average ambient moisture level. In order to avoid any absorption of water at the cutting edges it is recommended to mask the open edges with aluminium foil. When solvent-based substances are used polyurethane foam must be employed as the core. 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."

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