

# Product Information

## Stadur Top, Stadur Top Phon



### Description:

The roof panels Stadur Top, Stadur Top Phon consist of an extruded polystyrene foam core and 0.72 mm aluminium facings on both sides. Both sides are bevelled approx. 6 mm. The composite element is provided with a protective foil on both sides. 10 years Stadur guarantee



### Properties:

- optimum load-bearing capacity
- lightweight
- B1 flame resistant
- UV-Endurance
- good sound insulation values
- easy to process with the usual metalworking tools



### Facings:

Smooth aluminium 0.72 mm on both sides. Surface coating: polyester paint.

**Standard colours:** white RAL 9016, white RAL 9010

**Special colours:** cream white RAL 1015 (1200 mm width only), red RAL 8004 (1200 mm width only), brick red (no RAL colour) (1200 mm width only), grey RAL 7024 (1200 mm width only)

**Special facings:** aluminium Stucco white RAL 9010



### 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.

**Stadur Top Phon** with 3.0 mm sound-absorbing inserts reduces the sound of rain on the roof by up to approx. 50%.



### Overall thickness:

16, 24, 32, 52, 80 mm.

For Stadur Top Phon elements the overall thickness raises about 3.0 mm.

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



### Formats:

Widths: 1200 mm

Lengths: 3000, 4000, 5000, 6000, 7000, 7500 mm

Further formats and standard dimensions available on request.



### U- and dB-values:

Testing of the dB-values in accordance with DIN EN ISO 140-18 structure-borne sound.

Thickness	U-value	dB-value Stadur Top	dB-value Stadur Top	kg/m <sup>2</sup>
16 mm	1.45	–	–	4.45
24 mm	1.02	–	–	4.73
32 mm	0.87	64.3	58.5	5.01
52 mm	0.50	67.0	60.9	5.71
80 mm	0.33	–	–	6.69

For Stadur Top Phon the overall thickness increases about 3.0 mm and the weight about approx. 2.06 kg/m<sup>2</sup>. Please refer to our technical data sheet for further technical values.



### Special elements:

Edge finishing of the foam core as a stepped rebate or tongue and groove is possible. The fitting of a PVC grooved profile (see photo) is possible from an element thickness of 52 mm up. A corresponding PVC tongue profile is additionally available.



### Note:

When laying Stadur Top, point loads (such as kneeling on it) should be avoided. Please refer to the static values and instructions for transport, storage and installation on the technical data sheet. Please refer to the processing instructions for further information.



### Areas of application:

Conservatory construction  
Overhanging roofs, e.g. street cafés or carports  
Porches for industrial buildings and shop passages

Shed roof glazing  
Large advertising hoardings