



SANDWICHELEMENT

Top / Top Phon

Description:

Top sandwich elements consist of an extruded polystyrene core and 0.72 mm aluminium top layers on both faces. Both long sides have bevells of about 6 mm. Top Phon with 3.0 mm sound-absorbing inserts reduces the sound of rain on the roof by a multiple. The composite element is covered 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. On request also available with Stadurlon facings. Standard colours: white similar to RAL 9010, white similar to RAL 9016, cream white similar to RAL 1015 matt, red similar to RAL 8004 matt, stone red (no RAL-colour), grey similar to RAL 7026, grey similar to RAL 7024, Stucco white similar to RAL 9010.

Core Material:

Extruded polystyrene foam, CFC-free or CO₂ 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 λ D-value 0.029 – 0.035 is available. Stadur Top Phon with 3.0 mm sound-absorbing inserts reduces the sound of rain on the roof by a multiple.

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 facing layers or the foam core available on request.

Formats:

width: 1200 mm length: 3000 mm / 4000 mm / 5000 mm / 6000 mm / 7000 mm / 7500 mm
Other formats and fixed formats are available on request.

Technical Data:	Overall Thickness	U-Value (λ D 0.029)	dB-Value Stadur Top	dB-Value Stadur Top Phon
	24	1.05	-	-
	32	0.82	64.3	58.5
	52	0.52	67.0	60.9

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 is possible from an element thickness of 52 mm up. A corresponding PVC tongue profile is additionally available.

Areas of Application:

Conservatory construction, shed roof glazing, overhanging roofs e.g. street cafés or carports, large advertising hoardings, porches for industrial buildings and shop passages

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. For further information please refer to our brochure: Processing Instructions.

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