



SANDWICHELEMENT

Top / Top Phon

Product Information

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.

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, 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 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:

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

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