



Product Information

10
YEARS

Description:

Konstrukt Acoustik panels consist of an extruded polystyrene core and 0.72mm aluminium or PVC layers on both faces. Both long sides have bevels of about 6mm. The 3.0mm sound-absorbing inserts reduce the sound of rain on the roof by a multiple. The composite element is covered with a protective foil on both sides. 10 years Konstrukt guarantee

Properties:

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



Facings:

Smooth aluminium or PVC 0.72mm on both sides. Surface coating: polyester paint. On request also available with Konstrukt facings. Standard colours: white similar to RAL9010, white similar to RAL9016, cream white similar to RAL1015 matt, red similar to RAL8004 matt, stone red (no RAL-colour), grey similar to RAL7026, grey similar to RAL7024, Stucco white similar to RAL9010.

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. Acoustik 3.0mm sound-absorbing inserts reduce the sound of rain on the roof by a multiple.

Overall Thickness:

16, 24, 32, 52, 80 mm.– For Konstrukt Acoustik elements the overall thickness raises about 3.0 mm. Further thicknesses (thicker / thinner) of the facing layers or the foam core available on request.

| Technical Data: | Overall Thickness | U-Value (λ D 0.029) | dB-Value Konstrukt | dB-Value Konstrukt Acoustik |
|-----------------|-------------------|------------------------------|--------------------|-----------------------------|
| | 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.