

PRODUCT DATA SHEET

Sika® Rooftop Aquapanel

Cement-bonded cover and support panel for flat roofs

DESCRIPTION

Sika® Rooftop Aquapanel is a cement-bonded panel consisting of a core of Portland cement and aggregates, reinforced on both sides with glass fiber mesh.

USES

Sika® Rooftop Aquapanel is installed as a waterproof and non-combustible layer in flat roof systems. It can be installed as a support board directly on the sub-structure (e.g., trapezoidal sheet metal) or, for load distribution, as a cover board on top of the thermal insulation. Sika® Rooftop Aquapanel can, where applicable, reduce the fire load and additionally improve sound insulation.

FEATURES

- Non-combustible (EN 13501: Class A1)
- Moisture- and mold-resistant
- High stability
- High compressive strength
- Easy to install
- Enhanced fire protection
- Improved sound insulation

PRODUCT INFORMATION

Packaging	Full length and width boards in protective wrapping		
Shelf life	When stored properly, the product retains its properties.		
Storage conditions	Sika® Rooftop Aquapanel panels must be stored in a dry place and protected from the elements. Damp panels must be dried on both sides before installation. Allow the panels time to acclimate to the ambient temperature and humidity conditions before installation. The material, ambient, and substrate temperatures must not fall below +5 °C.		
Density	approximately 1200 kg/m ³		
Dimensions	Thickness (mm)	Width (mm)	Length (mm)
	6.0	900	1200
	12.5	900	1200
	12.5	900	2400
	12.5	1200	2400
Thickness	6.0 mm; 12.5 mm		
Reaction to fire	A1 non-combustible according to EN 13501		
Microbiological resistance	No growth (IBR certified)		

Diffusion resistance to water vapour	Thickness	Water vapor transmission resistance factor	DIN EN ISO 12572
	6.0	48 μ	
	12.5 mm	66 μ	
Thermal conductivity	Thickness	Thermal conductivity λ_{dry}	
	6.0	0.385 W/(m·K)	
	12.5 mm	0.330 W/(m·K)	
Ambient air temperature	Refer to roof waterproofing membrane system temperature limitations in Product Data Sheets.		

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

Sika® Rooftop Aquapanel is attached to the insulation layers prior to the installation of the water proofing system, adhered in strict accordance with the project specification.

SUBSTRATE QUALITY

The substrate surface must be uniform, smooth and free of any sharp protrusions or burrs, etc. It must be clean, dry and free of grease and dust.

APPLICATION METHOD / TOOLS

Installation work must only be carried out by Sika® trained contractors, experienced in this type of application.

- To be bonded in SikaRoof® Adhesive-200 in strict accordance with the Product Data Sheets and project specification.
- The product is not classified as hazardous good for transport. Local safety regulations must be observed.
- During the construction process, the construction should be protected from rain penetration during breaks in the process.
- The use of some ancillary products such as adhesives, cleaners and solvents is limited to temperatures above +5 °C. Observe temperature limitations in the appropriate Product Data Sheets.
- Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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PRODUCT DATA SHEET
 Sika® Rooftop Aquapanel
 June 2026, Version 01.01
 02093511100005014

SikaRooftopAquapanel-en-DE-(06-2026)-1-1.pdf