BUILDING TRUST

PRODUCT DATA SHEET

Sarnacol®-2162

POLYURETHANE ADHESIVE FOR BONDING ROOF INSULATION BOARDS

SIKA NZ APPROVED CONTRACTOR ONLY

DESCRIPTION

Sarnacol®-2162 is a 1-part, polyurethane based solvented moisture curing adhesive

USES

Bonding insulation boards to various roof substrates.
Suitable insulation boards:
- PUR/PIR insulation boards with lamination (glass or mineral fibre fleece)
- Polystyrene (EPS, XPS)
- Mineral fibre boards with sufficient compressive strength and appropriate surface for bonding

Suitable substrates:
- Concrete, lightweight concrete
- Oriented fibre strand boards (OSB), plywood panels, timber boards
- Fibre cement boards
- Mineral or sand-surfaced/aged bitumen
- Galvanized or coated steel, zinc metal sheet
- Vapour control layer (Sarnavap 5000 E SA)

CHARACTERISTICS / ADVANTAGES

- Proven performance over decades
- Adheres to solid, clean, dry or slightly moist surfaces
- Rapid curing
- Application by brush or roller
- Good adhesion to different substrates

PRODUCT INFORMATION

Chemical Base	Polyurethane moisture curing	
Packaging	One way container	5 kg
Appearance / Colour	Light yellow	
Shelf Life	12 months from date of production.	
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.	
Density	~1,08 kg/l (+20 °C)	
Volatile organic compound (VOC) content	VOC-CH (VOCV) VOC-EU (Solvent)	7,4 % 7,4 %
Consistency	Liquid	

SYSTEM INFORMATION

Compatibility	Polymer single ply waterproofing membranes (thermoplastics/elastomers).

APPLICATION INFORMATION

Consumption	Field zones: ~200 g/m²–400 g/m² up to 1000 g/m² on very absorbent substrates. Perimeter zones (roof edge and corners): consumption must be increased by 50 % respectively: from 300 g/m² to 600 g/m². Consumption depends on the roughness and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.	
Ambient Air Temperature	+5 °C min	
Substrate Temperature	+5 °C min	
Setting Time	Moisture containing substrates such as timber and concrete	~5 hours at +5 °C ~2½ hours at +23 °C
	Non-moisture containing substrates such as bituminous products	~8 hours at +5 °C ~5½ hours at +23 °C
	These times can be affected by air humidity, temperature, adhesive thickness and substrate moisture content.	

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate must offer sufficient strength and adhesion to resist the forces generated by wind suction.

SUBSTRATE PREPARATION

The substrate must be firm, clean, dry or slightly moist, free from oil, grease, dust, stripping agents, standing water and loose friable particles. Use Primer-600 to improve the adhesion on critical substrates. (e.g. sanded/slated bitumen). Sheet metal must be cleaned with Sarna Cleaner before adhesive is applied.

APPLICATION

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions.

General Information

Sarnacol®-2162 must be shaken vigorously before use. Keep adhesive container closed whenever adhesive is not being used to prevent surface skinning. To improve the workability of the adhesive at low temperatures, the closed container can be placed in warm water (max. +50 °C).

Bonding insulation boards (wet bonding)
Remove the lid from the tin and pull out the pouring spout. In central zones apply 4 continuous beads of adhesive per metre in parallel straight lines with a liquid bead width of 10–20 mm (200–400 g/m²). In perimeter zones apply 6 continuous beads of adhesive per metre with a liquid bead width of 10–20 mm (300–600 g/m²). Do not apply the adhesive to an area greater than can be covered in 5 minutes. The insulation boards or vapour control layer must be laid and pressed into the adhesive beads before surface skinning of the adhesive.
When bonding insulation boards it is recommended that periodic checks are carried out to check that the adhesive beads have been squeezed flat. Lift the insulation material at the leading edge to confirm. This is especially important on very uneven substrates.

Bonding bituminous vapour control layers (wet bonding)
Consult Sika before using Sarnacol®-2162 to bond bituminous vapour control layers as wind uplift calculations must be carried out to ascertain the suitability of the adhesive. When bonding bituminous vapour control layers to either plywood or concrete substrates, the beads of adhesive must be spread with a clean spatula to avoid over-foaming and laid within 5 minutes after application.
Bonding on roof slopes >10°
Where roofs have a slope >10°, the insulation boards or bituminous vapour control layers must be secured mechanically to prevent slipping until the Sarnacol®-2162 has set.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Sarna Cleaner immediately after use. Hardened material can only be mechanically removed

FURTHER DOCUMENTS

Installation instructions: Relevant to the product which is being bonded

LIMITATIONS

- Do not apply to talcum coated surfaces or new APP-modified bitumen
- 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.

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika (NZ) Limited
85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz