Sarnacol® 2162
Adhesive for Insulation Boards

Product Description: Polyurethane-based humidity-hardening one-pack adhesive

Uses: Sarnacol® 2162 is an adhesive to bond insulation boards.

Characteristics / Advantages:
- Adheres to solid, clean and dry or slightly moist surfaces
- Suitable insulation boards:
  - PIR insulation boards (glass or mineral fibre fleece)
  - Polystyrene (EPS)
  - Mineral fibre boards with sufficient compressive strength and appropriate surface for bonding
- Suitable substrates:
  - SarnaVap 5000E SA
  - 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 and zinc metal
- Primer 600 may be required
- Application: directly out of container
- Curing depends on humidity and temperature

Tests:
- Quality management system EN ISO 9001

Product Data

Form

Consistency: Liquid

Colour: Clear to light yellow

Packaging: Can: 5 kg
### Storage

**Storage Conditions**
Store in dry conditions at temperatures between +5 °C to +30 °C.

**Shelf-Life**
12 months from date of production if stored properly in original, unopened and undamaged sealed container. Expiry date on container.

### Technical Data

**Chemical Basis**
Polyurethane-based solvent-containing one-pack adhesive, humidity hardening

**Density**
~ 1.08 kg/l (+20 °C)

### System Information

### Application Details

**Consumption**
Consumption depends on the roughness and absorbency of both substrate and insulation material. In field zones it is about 100-300 g/m², at least 300 g/m² for mineral fibre insulation. In perimeter zones (roof edge and corners) the consumption must be increased by 50 % to 150 g/m² respectively 500 g/m².

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

**Substrate Preparation**
The substrate must be solid, clean, free of oil and grease, air-dry or slightly moist. Standing water must be dried off. Loose sand or grinds from bitumen membranes must be removed. Use Primer 610/600 to improve the adhesion on certain substrates.

**Compatibility**
- Unsuitable substrates:
  - Polymer single ply waterproofing membranes (thermoplastics/elastomers)
  - Talcum coated surfaces
  - New APP modified bitumen (may be possible with Primer 610/600)

### Installation Instructions

**Application Guideline**
Based on the valid installation instructions of the relevant roof waterproofing membrane.

**Application Method**
General information:
Sarnacol® 2162 container must be shaken vigorously before use. Close the container if work is stopped for a long period. At low temperatures the container can be warmed in warm water (max. 50 °C) in order to improve the application rate i.e. lower the viscosity and increase fluidity. Critical substrates can be primed with Primer 610/600 first to improve adhesion.

Bonding of 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 (100 – 300 g/m²). In perimeter zones apply 6 continuous beads of adhesive per metre with a liquid bead width of 10 – 20 mm (150 – 500 g/m²). Do not apply more adhesive than can be covered in 5 minutes. The insulation boards or vapour control layer must be laid and pressed into the adhesive beads before skin formation. When bonding insulation boards it is recommended that periodic checks are carried out to check that the adhesive ridges have been squeezed flat. Do this by lifting the insulation material at the leading edge. This is especially important on very uneven substrates.

### Notes on Installation / Limits

Installation works to be carried out only by Registered Sarnafil Contractors.
Temperature limits for the installation of the insulation or vapour control layer:
Substrate temperature: At least +5°C
Ambient temperature: At least +5°C

Installation of some ancillary products, e.g. contact adhesives / cleaners is limited to
temperatures above +5 °C. Please observe information given by Product Data
Sheets.

Setting

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| The curing rate of Sarnacol® 2162 is influenced by air humidity, temperature,
| thickness of the adhesive beads and the substrate (moisture content).
| approx. 5 hours at 5 °C
| approx. 2½ hours at 23 °C
| approx. 8 hours at 5 °C
| approx. 5½ hours at 23 °C
### Value Base
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.

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

### Legal Note
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