

Sarnacol[®] 2142S

Adhesive for Sarnafil[®] G Felt and Sarnafil[®] T Felt roof waterproofing membranes

Product Description

Polyurethane-based humidity-hardening one-pack adhesive

Uses

Sarnacol[®] 2142S is an adhesive to bond felt backed Sarnafil[®] G Felt-type and Sarnafil[®] T Felt-type membranes on surfaces.

Characteristics / Advantages

- Adheres to solid, rough and clean surfaces
- Suitable substrates:
 - Concrete, lightweight concrete, plaster
 - Oriented fibre strand boards, plywood panels, fibre cement boards
 - Slated/mineral surfaced/aged bitumen (except for ECB membranes)
 - Mineral fibre boards with sufficient compressive strength and appropriate surface for bonding
 - PUR/PIR insulation boards with lamination (glass or mineral fibre fleece)
 - EPS/XPS insulation boards (note information under Installation Instruction)
- Application: lambs-wool roller
- Rapid hardening depending on humidity and temperature

Tests

Approvals / Standards

- Quality management system EN ISO 9001

Product Data

Form

Consistency Liquid

Colour Blue

Packaging One way container: 15kg
Packing unit: Europallet or single container

Storage

Storage Conditions Store in dry conditions at temperatures between +5°C and +30°C

Shelf-Life 9 months from date of production if stored properly in original, unopened and undamaged sealed container. Expiry date on container.

Roofing



Technical Data

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

Density ~ 1.00kg/l (+20 °C)

System Information

Application Details

Consumption Consumption depends on the roughness and absorbency of the substrate and is about 200g/m² - 500g/m², approx. 150g/m² for unlined insulation boards and up to 1200g/m² on very absorbent substrates.

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, free of stripping agents, dry or may be moist. Standing water must be dried off. Loose sand or grinds from bitumen membranes must be removed.

Compatibility Unsuitable substrates:
■ Single ply waterproofing membranes (thermoplastics/elastomers)
■ Sheet metal

Installation Instructions

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

Application Method General information about the adhesive:
Sarnacol[®] 2142S must be stirred carefully 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. 40 °C) in order to improve the brushability of the adhesive.
Residues of adhesive on Sarnafil[®] G Felt must be cleaned with Sarna Cleaner.
Residues of adhesive on Sarnafil[®] T Felt must be cleaned with Sarnafil[®] T Clean.

General principles for bonding (wet bonding):
Position and straighten the roofing membrane. The adhesive is spread evenly to the substrate, preferably using a roller (make sure there are no lumps). After having evaporated for a few minutes (before the adhesive forms a skin), place the felt-backed roofing membrane in position and press into the adhesive bed by means of a pressure roll or roller. Do not apply the adhesive to an area greater than can be covered in 15 minutes.

Bonding on EPS/XPS insulation board:
When bonding on EPS/XPS insulation board, it is essential to apply the adhesive in a thin layer (approx. 150g/m²) and prevent from forming any lumps. It is important to wait at least 5 minutes before laying the felt-backed roofing membrane.

Bonding on very absorbent substrates:
Apply two coats of adhesive to very absorbent substrates such as mineral fibre boards. The first coat of approx. 300g/m² must have dried out completely before the second can be applied.

Bonding on roof inclinations greater than 10°:
Where roofs have an inclination of greater than 10°, mechanically fix the membrane in position at the high point until the Sarnacol[®] 2142S has set.

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| Tool Cleaning | Tools and equipment must be cleaned with Sarna Cleaner or Sarnafil® T Clean immediately after use. Once hardened, adhesive can only be removed mechanically. |
| Notes on Installation / Limits | <p>Installation works to be carried out only by Registered Sarnafil Contractors.</p> <p>Temperature limits for the installation of the membrane:</p> <p>Substrate temperature: At least +5 °C Ambient temperature: At least +5 °C</p> <p>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.</p> <p>Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.</p> |
| Hardening | |
| Hardening Time | <p>The hardening time depends on temperature and humidity and is between 1 and 5 hours.</p> <p>Hardening is prolonged in low temperatures and accelerated in high temperatures. Final strength is achieved after approx. 1 week.</p> |
| 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. |
| 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. |
| Health and Safety Information | For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data. |

All data in our product information are based on our current knowledge and experience. They do not release users from careful testing of the application and strict observation of the relevant processing regulations because of the wide range of possible influences during the application and use of our products. Legally valid assurances of specific characteristics or suitability for special purposes of application other than those provided in our documentation for the specific product cannot be inferred from our information. Any protective rights or existing laws and provisions must be followed by the recipient or processor of our products at their own responsibility. Moreover our general terms and conditions of sale and guarantee are valid.



Sika Ltd, Bankside 300, Peachman Way, Broadland Business Park, Norwich, NR7 0WF.

Tel: 01603 709360 Fax: 01603 433436 Email: sarnafilroofing@uk.sika.com

Registered Office: Sika Ltd, Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
 Registered in England: 226822

