Roofing
Product Data Sheet
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Roofing

Decostik® SP

Adhesive for Insulation Boards

Product Description	Polyurethane-based humidity-hardening one-pack adhesive
Uses	Decostik® SP is an adhesive to bond insulation boards on surfaces.
Characteristics / Advantages	■ Adheres to solid, clean and dry or slightly moist surfaces ■ Suitable insulation boards: - PIR insulation boards (glass or mineral fibre fleece) - Decotherm® Insulation Boards ■ Suitable substrates: - Concrete, lightweight concrete - Oriented 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

Approvals / Standards	■ Quality management system EN ISO 9001 ■ British Board of Agrément (BBA) certified No. 14/5147

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.

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Technical Data

Chemical Basis	Polyurethane-based solvent-containing one-pack adhesive, humidity hardening
Density	~ 1.14 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 approx100-300 g/m^2, at least 300 g/m^2 for mineral fibre insulation. In perimeter zones (roof edge and corners) the consumption must be increased by 50 % to 150 g/m^2 respectively 500 g/m^2.
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 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 600)

Installation Instructions

Application Guidline	Based on the valid installation instructions of the relevant roof waterproofing membrane.
Application Method	**General information:** Decostik® SP 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 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 continous beads of adhesive per metre in parallel straight lines with a liquid bead width of 10 – 20 mm (100 – 300 g/m^2). In perimeter zones apply 6 continous beads of adhesive per metre with a liquid bead width of 10 – 20 mm (150 – 500 g/m^2). Do not apply more adhesive than can be covered in 5 minutes. The insulation boards 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.

Bonding on roof slopes greater than 10°:
Where roofs have an inclination in excess of 10°, the insulation boards or bituminous vapour control layers have to be secured mechanically to prevent slipping until the Decostik® SP has cured.

Notes on Installation / Limits

Installation works shall be performed only by a QA Contractor where a Sika Liquid Plastics Product Guarantee is required.

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

Setting Time

The curing rate of Decostik® SP is influenced by air humidity, temperature, thickness of the adhesive beads and the substrate (moisture content).

The setting times on moisture containing substrates such as timber and concrete are:
approx. 5 hours at 5 °C
approx. 2½ hours at 23 °C

The setting times on non-moisture containing substrates such as bituminous products are:
approx. 8 hours at 5 °C
approx. 5½ hours at 23 °C

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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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data. REACH relevant information is available in the most recent SDS.

Disclaimer

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.

Specification assistance

NBS is the industry standard specification system, which allows architects, specifiers and engineers to insert clauses into specifications by manufacturer and product, making the process quicker and more efficient. We are members of NBS Plus and therefore detailed up-to-date product information is readily available to create accurate specifications.

Contact Details

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