

PRODUCT DATA SHEET

Sika® Bitumen Adhesive-270

Solvent based, single component synthetic rubber adhesive

DESCRIPTION

Sika® Bitumen Adhesive-270 is a single component solvent based synthetic rubber adhesive with very good heat resistance properties. Ideal to fix bituminous protection boards and other materials. Suitable for use in hot and tropical climatic conditions.

USES

Used as an adhesive for various materials like bitumen fiber boards, bitumen felt, plastic, laminates, veneer boards, rubber and plastic edging strips, rubber, leather, linoleum, felt, cork, foam to wood, chipboard, concrete, stone and bitumen surfaces.

CHARACTERISTICS / ADVANTAGES

- Single component
- Cold applied, no heating required
- Easy to apply
- Excellent adhesion to a wide range of materials

PRODUCT INFORMATION

Composition	Single component synthetic rubber
Packaging	5 and 20 L pail
Appearance / Colour	Black
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.

TECHNICAL INFORMATION

Chemical resistance	Resistant to soil, oil, various chemicals, please contact Sika Technical Department for further information.
----------------------------	--

APPLICATION INFORMATION

Ambient air temperature	+5 °C min. / +45 °C max.
Substrate temperature	+5 °C min. / +45 °C max. Beware of condensation! The substrate must be at least 3 °C above dew point to reduce the risk of condensation.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate must be firm, clean, dry, free from oil, grease, curing compound, dust, stripping agents, standing water, cement laitance and loose friable particles.

APPLICATION METHOD / TOOLS

Sika® Bitumen Adhesive-270 must be stirred carefully before use. Keep adhesive container closed whenever adhesive is not being used to prevent surface skinning. The adhesive is spread evenly on both sides by using a synthetic application roller, brush or spreader, directly from the container and ensuring there are no lumps in the applied layers. Apply two coats on porous substrates. Apply the second coat, once the first has been dried.

Wait till the adhesive surface gets 'tacky', apply the protection board into the adhesive. Don't let the adhesive open for more than 30 minutes to avoid dust pick up. Take care to position the materials accurately as readjusting after placement is difficult. Press down firmly the protection board using a suitable pressure roller. Air bubbles should be avoided. Sika® Bitumen Adhesive-270 has a good initial grab, however, pressure applied only by hand is not sufficient. To obtain optimum results, it is essential to tap or roll firmly over the entire surface.

Supports can be used to keep the boards in place till the adhesive is strong enough to hold the board. Clean all tools and application equipment with a suitable cleaning solvent after use. Hardened material can only be mechanically removed.

FURTHER INFORMATION

Density:	~1.05 kg/l	(ASTM D1475)
Solid content by weight:	~63 %	(ASTM D2369)
Initial set	~25 minutes (25 °C)	
Final set	~48 hours (25 °C)	
Service temperature	-10 °C min. / 85 °C max.	

Consumption: This depends on the substrate roughness and material to be bonded; as a guide: ca. 0.25 to 0.50 l/m².

This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage, etc..

IMPORTANT CONSIDERATIONS

- Do not use clamps as application method.
- For uses other than fixation of bituminous protection boards please refer to Sika Technical Department.
- Refer to relevant standards, guidelines and good industry practice.

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.

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 exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets before using any products. 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.

SIKA NORTHERN GULF

Bahrain / Qatar / Kuwait
Tel: +973 177 38188
sika.gulf@bh.sika.com
gcc.sika.com

SIKA SOUTHERN GULF

UAE / Oman / SIC
Tel: +971 4 439 8200
info@ae.sika.com
gcc.sika.com

SIKA SAUDI ARABIA

Riyadh / Jeddah / Dammam
Tel: +966 11 217 6532
info@sa.sika.com
gcc.sika.com



ISO 9001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd,
Sika Qatar LLC
ISO 14001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd
OHSAS: Sika UAE LLC,
Sika Gulf B.S.C. (c)

All products are supplied
under a management
system certified to conform
to the requirements of the
quality, environmental and
occupational health &
safety standards ISO 9001,
ISO 14001 and OHSAS
18001.

SikaBitumenAdhesive-270-en-AE-(10-2020)-1-1.pdf

Product Data Sheet

Sika® Bitumen Adhesive-270
October 2020, Version 01.01
02072580100000011

