

PRODUCT DATA SHEET

SikaRoof® Adhesive C-733

Contact adhesive for Sikaplan® PVC Roof waterproofing membranes

DESCRIPTION

SikaRoof® Adhesive C-733 is a 1-part, nitrile rubber based solvented contact adhesive.

USES

SikaRoof® Adhesive C-733 may only be used by experienced professionals. Bonding Sikaplan® PVC roof waterproofing membranes to substrate at roof edges and junctions

Bonding substrates:

- Concrete, lightweight concrete, brick, plaster
- Oriented strand boards (OSB), plywood panels
- Fibre cement boards
- Mineral fibre boards with sufficient compressive strength and appropriate surface for bonding
- Polyester, hard and soft PVC
- Galvanized steel, aluminium, PVC-coated metal sheet

CHARACTERISTICS / ADVANTAGES

- Adheres to solid, rough and clean surfaces
- Application by brush or roller
- Final strength depends on climate during application

PRODUCT INFORMATION

Composition	Solvented nitrile rubber
Packaging	20 kg container
Shelf Life	24 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	~0.90 kg/l (+20 °C)
Volatile organic compound (VOC) content	VOC-CH 77.01 % VOC-EU 77.01 %
Consistency	Liquid
Colour	Yellowish

APPLICATION INFORMATION

Consumption	~300–500 g/m ² 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	Full adhesion is generally achieved immediately after bonding. This can be affected by ambient conditions.

SYSTEM INFORMATION

Compatibility	Shall not be used on substrates: <ul style="list-style-type: none">▪ EPS/XPS insulation boards▪ Copper plate▪ Bituminous substrates These materials could adversely affect the product properties.
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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.

IMPORTANT CONSIDERATIONS

- Condensation on applied adhesive film will cause the membrane surfaces to separate.
- 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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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 resistant to solvents and must be firm, clean, dry, free from oil, grease dust, stripping agents and loose friable particles. Absorbent substrates can be primed by diluting the adhesive.

APPLICATION

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

General adhesive information SikaRoof® Adhesive C-733 must be stirred carefully before use. Keep adhesive container closed whenever adhesive is not being used to keep workability consistent (to reduce solvent evaporation). Viscosity of the SikaRoof® Adhesive C-733 contact adhesive can be changed and adapted by adding SikaRoof Cleaner L-100. It may be necessary to modify the viscosity after prolonged storage or if container was opened for long periods of time. Mix SikaRoof Cleaner L-100 into the adhesive by carefully stirring small quantities into the adhesive to achieve the desired viscosity.

Bonding procedure The adhesive is spread evenly onto the substrate using a roller. Do not apply the adhesive to an area greater than can be covered in one day. Allow the adhesive to dry completely. Apply 2 coats of adhesive on absorbent substrates (the first coat must have dried out completely before the second is applied). Apply the adhesive evenly on the underside of the roof membrane (note: welding seam overlap area must be free of adhesive). Once the adhesive has been allowed to evaporate sufficiently (finger test), apply the membrane onto the substrate adhesive. Press down firmly on the membrane using a roller.

CLEANING OF TOOLS

Clean all tools and application equipment with SikaRoof® Cleaner L-100 immediately after use. Hardened material can only be removed mechanically.

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.

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.

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Product Data Sheet

SikaRoof® Adhesive C-733
March 2026, Version 02.02
020945071000000025

SikaRoofAdhesiveC-733-en-MY-(03-2026)-2-2.pdf

