

PRODUCT DATA SHEET

SIKAFLEX®-11FC

Sikaflex®-11FC is a one-component polyurethane construction adhesive formulated with a special moisture-cured polyurethane with an accelerated curing time.

PRODUCT INFORMATION

USES

A non-sag, gun-grade and trowel-grade construction adhesive used to bond the G459 Grid Strip flashing membrane to both horizontal and vertical substrates.

AREAS OF APPLICATION

- G459 Grid Strip

FEATURES / BENEFITS

- Excellent bonding to acceptable substrates
- Easy to install, easy workability characteristics
- Sag resistant, ideal for vertical grid applications

PRODUCT DATA

FORM

COMPOSITION

Sealant

COLOR

White

VOC CONTENT

28.5 g/l

PACKAGING

10.3 fluid oz (305 ml) disposable cartridges, 24 cartridges per case, 24 lbs (10.9 kg) per case.

STORAGE

STORAGE CONDITIONS

Store at 40°F - 80°F (4°C - 27°C) in a dry, well-ventilated area.

Condition material to 65°F - 75°F (18°C - 24°C) before using.

SHELF LIFE

9 months if stored properly in original unopened, sealed and undamaged packaging.

PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT USA.SARNAFIL.SIKA.COM OR BY CALLING SIKA SARNAFIL'S TECHNICAL SERVICE DEPARTMENT AT 800-451-2504. NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

SYSTEM INFORMATION

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

All surfaces must be clean, dry, and free of dirt, grease, oil, or other contaminants or particulates.

APPLICATION METHOD / TOOLS

Always apply test strips and perform a pull-test prior to actual grid installation. Priming is required for all G459 Grid Strip installations. Prime the back of the G459 Grid Strip with a light coat of Sikaflex Primer 449 applied with a rag, brush or staining pad. Allow the primer to dry completely prior to placing the primed grid strip flashing into Sikaflex-11FC adhesive. Drying time is typically 5 minutes or less. Do not allow primed surface to become contaminated with dust, dirt, or debris.

Apply Sikaflex-11FC at temperatures between 25°F (-4°C) and 100°F (38°C). Apply the adhesive directly to the substrate where lines have been chalked to indicate the grid strip location. Trowel the adhesive using a 3/16 in x 5/32 in (5 mm x 4 mm) saw tooth V-notch trowel to achieve the proper coverage rate. Use the flat side of the trowel to flatten the adhesive to a uniform thickness of approximately 1/8 in (3.2 mm) and eliminate air pockets in the adhesive. The area covered by adhesive should be slightly wider than the grid strip width. Immediately place the G459 grid strip into the adhesive and roll firmly with a 3 in (76 mm) wide steel hand roller. Push any entrapped air out the sides of the grid strip.

The adhesive is typically cured overnight when the temperature is between 40°F (4°C) and 80°F (27°C) and adequate humidity is present. Under ideal conditions (70°F, 21°C, 80% + R.H.), the adhesive will set up in 3 - 4 hours. In cold temperatures and/or low humidity, the set time may be in excess of 24 hours.

Always conduct a pull test to verify that acceptable bond of the grid strip to the substrate has been achieved prior to welding waterproofing membrane to the grid strip. With fully cured adhesive, the grid strip membrane should not peel from the substrate or grid membrane. If the adhesive peels cleanly from the substrate or grid strip membrane, the adhesion is unacceptable.

COVERAGE

Per 12 in (30.5 mm) wide grid strip is 3 - 3.5 lin ft (0.9 m - 1.1 m) per cartridge and 72 - 84 lin ft (21.9 - 25.6 m) per case depending on the substrate condition and temperature.

PRODUCT LIMITATIONS

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Precautions should be taken to prevent odors and/or vapors from entering the building/structure, including but not limited to turning off and sealing air intake vents or other means of ingress for odors and/or vapors into the building/structure during product application and cure.

- Do not apply to wet or frozen substrates.
- Avoid traffic over uncured adhesive.
- Use open cartridges the same day.
- Always pre-weld grid strip membrane overlaps with a full, solid hot-air weld prior to setting in adhesive.

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AVAILABILITY	From Sika Corporation – Roofing Authorized Applications for use within Sarnafil or Sikaplan systems.
MAINTENANCE	Standard maintenance of Sarnafil or Sikaplan systems should include regular inspection of flashings, drains, and termination sealants at least twice a year and after each storm.
WARRANTY	As a Sika supplied accessory, Sikaflex-11FC is covered under Sika Corporation warranties.
LEGAL NOTES	<p>All information provided by Sika Corporation (“Sika”) concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika’s current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika’s instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika’s control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at usa.sarnafil.sika.com or by calling 800-451-2504.</p> <p>Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product’s most current Product Data Sheet, product label and Safety Data Sheet which are available online at usa.sarnafil.sika.com or by calling Sika’s Technical Service Department at 800-451-2504. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.</p> <p>Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.</p> <p>NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.</p>

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