

PRODUCT DATA SHEET

SIKAPLAN[®] WATER BASED MEMBRANE ADHESIVE

Sikaplan Water Based Membrane Adhesive is a water-based dispersion adhesive used within a Sikaplan Adhered roofing system. It is formulated for adhering Sikaplan PVC membranes to clean, dry, water absorbent, horizontal roof surfaces with slopes up to 10° (2/12) when using the methods of installation noted below. See Technical Bulletins referring to water-based adhesive applications for roof membrane and wall flashing. For any other applications contact Sika Corporation – Roofing.

PRODUCT INFORMATION

USES

Water-based adhesive used to adhere Sikaplan roof membranes and flashings to approved substrates.

AREAS OF APPLICATION

- Isocyanurate organic facer
- Isocyanurate glass facer
- DensDeck[®] Prime
- Smooth plywood

FEATURES / BENEFITS

- Uniquely formulated to be compatible with Sikaplan membranes

PRODUCT DATA

FORM

COMPOSITION

Water-based liquid

COLOR

Tan

VOC CONTENT

240 g/l

PACKAGING

5 gallon (18.9 L) pails, 45 lbs (20.4 kg) per pail, 48 pails per pallet

STORAGE

STORAGE CONDITIONS

Store Sikaplan Water Based Membrane Adhesive in a tightly closed container at temperatures between 40°F and 99°F (5°C and 37°C). Keep from freezing.

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.

SHELF LIFE

Sikaplan Water Based Membrane Adhesive has a shelf life of 12 months in the original sealed container when kept from freezing temperatures.

SYSTEM INFORMATION

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

All work surfaces should be clean, dry, free of dirt, dust, debris, oils and other contaminants.

MIXING

Mix well before use. For very thick material, mechanical mixing may be required. A "fold and stir" type paddle works well for heavy materials and allows thorough mixing while minimizing air infiltration.

APPLICATION

Roller:

Sikaplan Water Based Membrane Adhesive can be applied with a medium nap roller to the substrate. When applying Sikaplan Water Based Membrane Adhesive with a roller, it is important to remember that Sikaplan Water Based Membrane Adhesive is designed for "wet lay in". When applied with a roller, care must be taken to insure that the adhesive has not dried before the membrane is laid in place. This is especially important during applications at high temperatures. Adjustments may be needed in the application technique to insure a wet lay in. It is recommended that only 3-4 ft (0.9 - 1.2 m) at a time is applied ahead of the membrane to prevent dry laid membrane. The membrane is then rolled into the adhesive while it is still wet and immediately broomed into place with a medium bristle push broom to work out any air bubbles. Push the broom down the center of the sheet followed by brooming out from the center on both sides. Immediately after brooming, roll the membrane in two directions with a minimum 100 lb (45 kg) steel membrane roller. Temperature and slope restrictions noted above and below also apply for the roller method.

Spray:

Sikaplan Water Based Membrane Adhesive can be applied with an airless spray machine to the substrate. When applying Sikaplan Water Based Membrane Adhesive with a spray machine, it is important to remember that Sikaplan Water Based Membrane Adhesive is designed for "wet lay in". When applied with a spray machine, care must be taken to insure that the adhesive has not dried before the membrane is laid in place. This is especially important during applications at high temperatures. Adjustments may be needed in the application technique to insure a wet lay in. It is recommended that only 3-4 ft (0.9 - 1.2 m) at a time is applied ahead of the membrane to prevent dry laid membrane. The membrane is then rolled into the adhesive while it is still wet and immediately broomed into place with a medium bristle push broom to work out any air bubbles. Push the broom down the center of the sheet followed by brooming out from the center on both sides. Immediately after brooming, roll the membrane in two directions with a minimum 100 lb (45 kg) steel membrane roller. Temperature and slope restrictions noted above and below also apply for the spray method.

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.



Installation Note:

These installation instructions are condensed versions for the product data sheet. Before installing the membrane with Sikaplan Water Based Membrane Adhesive, read the complete instructions detailed in the Technical Bulletin "Water Based Adhesives - Application Methods for Roof Membranes".

COVERAGE

The typical coverage rate for roller applications is 100 ft²/gal (2.5 m²/L).
The typical coverage rate for spray applications is 133 ft²/gal (3.3 m²/L).

PRODUCT LIMITATIONS

LIMITATIONS

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 in wet weather or to a wet surface.
 - The minimum ambient and surface temperatures should be 40°F (4°C) and rising.
 - Open time varies depending on weather and temperature conditions.
 - The open time will be shorter on hot days and longer on cold dry days.
 - Do not allow the adhesive to skin over.
 - Eliminate uneven surfaces to ensure positive contact between the membrane and the substrate.
 - Unused adhesive can be saved for use at a later date by simply replacing the pail cover.
-

AVAILABILITY

From Authorized Applicators when used within Sikaplan roofing systems.

MAINTENANCE

Standard maintenance of roofs 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, Sikaplan Water Based Membrane Adhesive is covered under Sika Corporation warranties.

LEGAL NOTES

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.

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.

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.

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.

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.



SIKA CORPORATION – ROOFING**UNITED STATES**

100 Dan Road
Canton, MA 02021
800-451-2504 (p)
781-828-5365 (f)
usa.sarnafil.sika.com
webmaster.sarnafil@us.sika.com

SIKA CANADA INC.

6915 Davand Drive
Mississauga, ON L5T 1L5
905-795-3177 (p)
905-795-3192 (f)
can.sika.com
marketing.construction@ca.sika.com

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.

