

PRODUCT DATA SHEET

SIKACOAT® AE400

Sikacoat® AE400 is a water-based, asphaltic bentonite clay emulsion for use as a surface coating and waterproofing compound over existing bituminous roofs (modified bitumen and smooth surface BUR), and EPDM, TPO and Hypalon® single ply roofs prior to installing Sikacoat roof coatings.

PRODUCT INFORMATION

USES

Sikacoat AE400 is used as a surface coating and waterproofing compound over new or existing roofs prior to installing Sikacoat roof coatings.

AREAS OF APPLICATION

- Over existing bituminous roofs (modified bitumen and smooth surface built-up roofs)
- Over EPDM, TPO and Hypalon single ply roofs

FEATURES / BENEFITS

- Formulated for use with Sikacoat finish coats
- Dry film remains flexible and will not sag, flow or re-emulsify
- Resists checking and cracking when cured
- No VOC's

TESTS

APPROVAL / STANDARDS

Underwriters Laboratories

Meets ASTM D-1187 & ASTM D-1227

PRODUCT DATA

FORM

COMPOSITION

Liquid

COLOR

Brown when wet, black when dry

VOC CONTENT

0 g/l

PACKAGING

5 gallon (18.9 L) pails, 46 lbs (22.2 kg) per pail, 36 pails per pallet

55 gallon (208.2 L) drums, 518 lbs (235 kg) per drum, 4 drums per pallet

275 gallon (1041 L) totes, 2488 lbs (1128.5 kg) per tote, 1 tote per pallet

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.

STORAGE**STORAGE CONDITIONS**

Store materials in a dry area between 40°F (4°C) and 100°F (38°C) with careful handling to prevent damage to products. Do not store at high temperatures or in direct sunlight. Keep lids tightly closed when not in use. Protect all materials from freezing and other damage during transit, handling, storage, and installation.

SHELF LIFE

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

TECHNICAL DATA**TYPICAL PHYSICAL PROPERTIES***

Weight per Gallon: 8.2-8.7 lbs./gal, 0.98-1.04 kg/L

Flexibility @ 32°F (0°C): No cracking or flaking

Heat Resist @ 212°F (100°C): No sag, blistering or slipping

Permeability, perms: 0.0-2.0 (varies with thickness)

Drying Time @70°F (21°C), 50% RH: 12 hours firm set

*Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

SYSTEM INFORMATION**APPLICATION INSTRUCTIONS****SURFACE PREPARATION**

Pressure wash the roof surface prior to the application of Sikacoat AE400 to remove any contaminants or particulates including dirt, dust, oil, grease, wax, rust, chalky or loose paint, loose granules and mildew that will interfere with the adhesion of AE400. Allow the roof surface to dry. Repair cracks, breaks, open seams, and other roof deficiencies with a three-course application of Sikacoat S400 sealant or Sikacoat AE400 and reinforcing fabric (RF400D or RF400F).

Metal surfaces must be clean and free of dirt, dust, oil, grease, wax, rust, chalky or loose paint. New metal should be primed with Sikacoat P400. If rust is present, remove rust and scale then prime with Sikacoat P400R.

MIXING

Mix well before use.

APPLICATION METHOD / TOOLS

Sikacoat AE400 may be applied by brush, roller, soft broom, squeegee or spray.

COVERAGE

Refer to project specifications and warranty requirements to determine coverage rate. Typical coverage rate is 3 gallons per 100 sq. ft. (123.4 L/m²) per coat or as specified.

The number of gallons per 100 square feet may need to increase due to uneven application, rough surface texture, wind conditions while spraying and/or other variables. The Applicator must check wet film thickness during the application of the asphalt emulsion to ensure achievement of specified coverage rates.

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AE400 normally requires no thinning. For spray applications, up to 10% water may be added to improve consistency. When water is added, increase total application amount by the same percentage.

CLEAN UP

Wet material and all tools and equipment may be cleaned with water. Rinse tools and equipment with water before using.

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 Sikacoat AE400 when surface or air temperature is below 50°F (10°C), or if cold weather or freezing conditions, rain, heavy dew, moisture or fog is expected within 48 hours of application.
- Drying time may vary depending upon wet film thickness, temperature, humidity and air movement.
- Sikacoat AE400 is an emulsion roof coating and this product is not designed to seal leaks.

AVAILABILITY

From Authorized Applicators when used within Sikacoat roof coating 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, Sikacoat AE400 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.

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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.

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