

PRODUCT DATA SHEET

SIKACOAT® FC3600

Sikacoat® FC3600 is a solvent-based terpolymer roof coating intended for the repair and restoration of single-ply (EPDM, TPO, Hypalon® CSPE, PIB), bituminous (modified bitumen and smooth surface asphalt BUR) and metal roofing. It is fast drying, skins over in minutes and cures completely in a few hours.

PRODUCT INFORMATION

USES

For the repair and restoration of the following types of roofs:

AREAS OF APPLICATION

- Single-ply (EPDM, TPO, Hypalon® CSPE, PIB)
- Bituminous (modified bitumen and smooth surface asphalt BUR)
- Metal
- Kynar®
- Concrete

FEATURES / BENEFITS

- Fast drying
- Cures within hours so it will not wash off or pick up debris
- Does not require a substrate primer coat or a separate base coat

TESTS

APPROVALS

Miami-Dade County approved

PRODUCT DATA

FORM

COMPOSITION

Liquid

COLOR

White

VOC CONTENT

497 g/l

PACKAGING

5 gallon (18.9 L) pails, 49.9 lbs (22.6 kg) per pail, 36 pails per pallet

55 gallon (208.2 L) drums, 561 lbs (254.5 kg) per drum, 4 drums 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 in a dry ventilated area. Store away from heat, sparks, and open flames. Solvent vapors are heavier than air and may be moved from the source location by ventilation systems to points far away. Do not store near oxidizers. Keep container closed when not in use. Maintain package labeling during storage.

SHELF LIFE

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

TECHNICAL DATA**TYPICAL PHYSICAL PROPERTIES***

Viscosity, ASTM D-562: 600g @ 77°F (25°C)

% Solids by Volume: 45 min.

% Non-volatile: 59 max.

Initial Solar Reflectivity, ASTM E-903: 84%

Aged Solar Reflectivity, ASTM E-1918: 71%

Emissivity: .90

SRI: 105

Elongation: 700% @ 77°F (25°C)

Flash Point (TCC): +100°F (38.7°C)

*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**

All surfaces must be clean, dry, and free of dirt, grease, oil, or other contaminants or particulates that would interfere with proper adhesion. Clean surfaces with Sikacoat W400 wash diluted with water at a rate of four parts water to one part Sikacoat W400.

Apply wash to the roof with a mop, pump sprayer or other suitable low-pressure sprayer at the rate of one gallon per 100 square feet (41.1 L/m²). Avoid contact with painted surfaces or vinyl siding. Allow wet contact with the roof surface for a minimum of 15 minutes. Agitate roof surface with stiff bristle broom or orbital scrubber. Rinse the roof surface with clean water and a minimum 2000 psi power washer until no wash residue remains. Allow roof to dry completely prior to system installation. Failure to clean surface may result in poor adhesion and/or discoloration of the coating.

Spring scale peel tests are required over unknown substrates and recommended over previously coated roofs to determine the adhesion of Sikacoat FC3600 to the existing substrate or coating. Do not apply Sikacoat FC3600 over spray polyurethane foam roofs, single-ply PVC or KEE roofs, or roofs previously coated with acrylic roof coating.

Repair existing roof system including cracks, tears, open seams, deteriorated flashings, etc. according to original manufacturers written specifications and instructions. If the original roof manufacturer's repair materials are no longer available, apply a three-course application of Sikacoat S460 sealant and Sikacoat RF400D reinforcing fabric over the

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defects.

On metal roof systems, use Sikacoat S460 sealant over all fasteners and vertical seams. Apply a three-course application of Sikacoat S460 sealant and RF400D reinforcing fabric over all horizontal end laps. Priming of metal surfaces is not necessary unless rust is present. Remove all rust and scale, then prime area with Sikacoat P400R.

Sikacoat accessory products, when used, must be completely dry before applying Sikacoat FC3600. Allow Sikacoat S460 sealant to dry for 24 hours before coating. Allow 48 hours of dry conditions before coating concrete surfaces.

MIXING

Mix the coating thoroughly with a mechanical mixing device for a minimum of five minutes before application. Coating shall be mixed no more than four hours prior to use. Remixing is permitted as is necessary.

APPLICATION METHOD / TOOLS

Before applying Sikacoat FC3600, close all fresh air intakes and other potential points of entry for solvent vapors into the building.

Apply Sikacoat FC3600 with a ¾ inch (19.1 mm) to 1¼ inch (31.8 mm) nap roller or suitable spray equipment. Apply successive coats at right angles when possible. For best results, maintain the coating temperature at 50°F (10°C) or higher for 24 hours prior to application. The surface temperature should be a minimum of 40°F (4°C) and maximum of 125°F (52°C) during application. Once applied, the coating is unaffected by temperature.

Allow 24 hours between coats on asphalt, modified bitumen and EPDM roofs. For all other roof types, allow four hours between coats. Two coats of Sikacoat FC3600 are required in all cases.

All areas that retain any water must receive a third coat of Sikacoat FC3600 applied at a rate of 1.5 gallons per 100 square feet (61.7 L/m²).

COVERAGE

Refer to project specifications and warranty requirements to determine coverage rate. 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. Applicator must check wet film thickness during the application to ensure achievement of specified coverage rates.

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.

- The surface temperature should be a minimum of 40°F (10°C) and maximum of 125°F (52°C) during application.
- Do not apply Sikacoat FC3600 when the ambient temperature is within 5°F of the dew point.
- Roof surfaces must be dry for the coating application. Even when the surface appears dry, moisture may be trapped in the roof, deck or insulation. A moisture scan is recommended to determine wet areas prior to installing the coating.

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- No areas shall retain water more than 48 hours or at depths exceeding ¼ inch (6.4 mm) at any time. Retained water may not cover more than 5% of the roof's surface area.
- The first coat over asphalt will often stain yellow. Although Sikacoat FC3600 is resistant to asphalt staining, this condition is unpredictable. If brown spots appear during application with a roller, inspect the roller nap for embedded pieces of asphalt. The spots will be covered by the second coat. Uneven, alligatored or cracked roofs will require a higher rate of application.
- **Do not apply Sikacoat FC3600 over spray polyurethane foam roofs, single-ply PVC or KEE roofs, or roofs previously coated with acrylic roof coating.**
- EPDM roofs may exhibit temporary swelling if the coating application rates are significantly exceeded. If swelling occurs, do not proceed with additional coats until it has subsided.

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 product, Sikacoat FC3600 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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