

PRODUCT DATA SHEET

SIKACOAT® FC3500

Sikacoat® FC3500 is a premium quality, acrylic elastomeric roof coating that meets or exceeds ASTM D6083 requirements. Sikacoat FC3500 is used as a finish coat over single-ply (EPDM, TPO, Hypalon® and PVC), bituminous (modified bitumen and smooth surface BUR) and metal roofing.

PRODUCT INFORMATION

USES

Sikacoat FC3500 is used as a finish coat over properly prepared roof surfaces.

AREAS OF APPLICATION

- Over EPDM, TPO, Hypalon® and PVC single ply membranes
- Over modified bitumen and smooth surface asphalt built-up roofs
- Over metal roofs

FEATURES / BENEFITS

- Reflective surfaces reduce energy costs
- Prolongs service life of existing roof system
- Reduces thermal cycling of the roof
- Protect underlying roof from damaging ultraviolet rays
- Improve building aesthetics

TESTS

APPROVAL / STANDARDS

- Meets or exceeds ASTM D6053
- UL classified and FM approved
- Sikacoat FC3500 White is CRRC listed and EPA Energy Star certified
- Sikacoat FC3500 White meets California Title 24 requirements
- Sikacoat FC3500 White meets LEED and Green Globes requirements for reflectivity
- Miami-Dade County
- Florida Building Code

PRODUCT DATA

FORM

COMPOSITION

Liquid

COLORS

White, Tan and Light Gray

VOC CONTENT

20 g/l

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PACKAGING

5 gallon (18.9 L) pails, 62 lbs (28.1 kg) per pail, 36 pails per pallet
55 gallon (208.2 L) drums, 694 lbs (314.8 kg) per drum, 4 drums per pallet
275 gallon (1041 L) totes, 3368 lbs (1527.7 kg) per tote, 1 tote per pallet

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***

Property	ASTM Test Method	Requirement	Results
Initial Tensile Strength @ 73°F (23°C), psi	D2370	200 Min.	>240
Initial Elongation @ 73°F (23°C), %	D2370	100 Min.	>200
Wet Adhesion, Hypalon, pli	C794/D903	2 Min.	>2.0
Wet Adhesion, Cap Sheet, pli	C794/D903	2 Min.	>3.0
Tear Resistance, lbf/in	D624	> 60	>65
1000-hr Accelerated Weathering	D4798	No Cracking No Checking	No Cracking No Checking
Elongation After Accelerated Weathering @ 73°F (23°C)	D2370	100 Min.	136
Permeance, perms	D1653	50 Max.	<17
Water Swelling, %	D471	20 Max.	<12
Fungi Resistance	G21	Zero Rating	Zero Rating
Low Temperature Flexibility, ½" (13 mm) mandrel	D522	-15°F (-26°C)	Pass
Volume Solids,%	D2697	>50	52
Weight Solids,%	D1644	>60	68
Viscosity, KU	D562	85-141	115-125
Flammability, Wet			Non-flammable
Flammability, Dry	UL790/E108		Class A
Weight Per Gallon			11.5-12 lbs. (5.2-5.4 kg)
Application Temperature			Min. 50°F (10°C) Max. 100°F (38°C)
Drying Time			(70°F @ 50% r.h.) @ 100 sq.ft./gal. = 1 hour

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

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TYPICAL PHYSICAL PROPERTIES (CONT.)*

Property	Test ASTM Method	Results
Initial Solar Reflectance - White	C1549	0.84
3 Year Solar Reflectance - White	C1549	0.71
Initial Thermal Emittance - White	E408	0.90
3 Year Thermal Emittance - White	E408	0.92
Solar Reflectance Index, SRI - White	E1980	106
3 Year Solar Reflectance Index, SRI - White	E1980	88

*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. Spring scale peel tests are required over unknown substrates and recommended over previously coated roofs to determine the adhesion of Sikacoat to the existing substrate or coating. Sikacoat base coats and accessory products, when used, must be completely dry before applying Sikacoat FC3500.

MIXING

Mix well before use.

APPLICATION METHOD / TOOLS

Sikacoat FC3500 may be applied by spray, brush, or roller. Best results are achieved when FC3500 is applied by high pressure airless sprayer.

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.

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 FC3500 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.
- Incorporate reinforcing fabric in areas that hold water for more than 72 hours.
- Drying time may vary depending upon wet film thickness, temperature, humidity and air movement.
- Do not apply Sikacoat FC3500 over wood shingles or untreated wood surfaces.

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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 FC3500 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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