

PRODUCT DATA SHEET

SIKACOAT® FC3400

Sikacoat® FC3400 is a premium quality, acrylic elastomeric roof coating. Sikacoat FC3400 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 FC3400 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

APPROVALS / STANDARDS

- UL classified and FM approved
- Sikacoat FC3400 White is CRRC listed and EPA Energy Star certified
- Sikacoat FC3400 White meets California Title 24 requirements
- Sikacoat FC3400 White meets LEED and Green Globes requirements for reflectivity
- Sikacoat FC3400 Tan and Sikacoat FC3400 Gray are CRRC listed and EPA Energy Star certified, and are available as custom colors

PRODUCT DATA

FORM

COMPOSITION

Liquid

COLORS

White, Tan and Light Gray

VOC CONTENT

20 g/l

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.

PACKAGING

5 gallon (18.9 L) pails, 60 lbs (27.2 kg) per pail, 36 pails per pallet
55 gallon (208.2 L) drums, 705 lbs (319.8 kg) per drum, 4 drums per pallet
275 gallon (1041 L) totes, 3450 lbs (1564.9 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.	353
Initial Elongation @ 73°F (23°C), %	D2370	100 Min.	219
Wet Adhesion, Hypalon, pli	C794/D903	2 Min.	2.4
Wet Adhesion, Cap Sheet, pli	C794/D903	2 Min.	3.0
Tear Resistance, lbf/in	D624	> 60	117
1000-hr Accelerated Weathering	D4798	No Cracking No Checking	No Cracking No Checking
Elongation After Accelerated Weathering @ 73°F (23°C)	D2370	100 Min.	224
Permeance, perms	D1653	50 Max.	21.4
Water Swelling, %	D471	20 Max.	6.1
Fungi Resistance	G21	Zero Rating	Zero Rating
Volume Solids,%	D2697	>50	54
Weight Solids,%	D1644	>60	70.6
Viscosity, KU	D562	85-141	106
Initial Solar Reflectance - white	C1549		0.84
3 Year Solar Reflectance - white	C1549		0.75
Initial Thermal Emittance - white	E408		0.89
3 Year Thermal Emittance - white	E408		0.91
Solar Reflectance Index, SRI - white	E1980		106
3 Year Solar Reflectance Index, SRI - white	E1980		93

*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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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 FC3400.

MIXING

Mix well before use.

APPLICATION METHOD / TOOLS

Sikacoat FC3400 may be applied by spray, brush, or roller. Best results are achieved when FC3400 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 FC3400 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 FC3400 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 FC3400 is covered under Sika Corporation warranties.

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