

# PRODUCT DATA SHEET

## SIKACOAT® BC420

Sikacoat® BC420 is a water-based acrylic base coat specially formulated for use with Sikacoat FC3500 finish coat over single ply (EPDM, TPO, Hypalon® and PVC), bituminous (modified bitumen and smooth surface BUR) and metal roofing. Use Sikacoat BC420 with Sikacoat FC3400 finish coat over EPDM single ply membrane.

### PRODUCT INFORMATION

#### USES

Sikacoat BC420 is used as a base coat over certain surfaces prior to installing Sikacoat finish coats.

#### AREAS OF APPLICATION

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

#### FEATURES / BENEFITS

- Formulated for use with Sikacoat FC3500 over approved surfaces
- Formulated for use with Sikacoat FC3400 over EPDM
- Low VOC

#### TESTS

#### APPROVAL / STANDARDS

Underwriters Laboratories

### PRODUCT DATA

#### FORM

#### COMPOSITION

Liquid

#### COLOR

White

#### VOC CONTENT

20 g/l

#### 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

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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.

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**TECHNICAL DATA**

**TYPICAL PHYSICAL PROPERTIES\***

Volume Solids: 53%

Weight Solids: 68%

Viscosity: 100-120 KU

\*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.

Pressure wash roof surfaces prior to the application of Sikacoat BC420. Use Sikacoat W400 wash to clean dirty roof surfaces. Sikacoat W400 must be used to clean all EPDM surfaces. See Sikacoat W400 product data sheet for additional information.

Certain roof surfaces require priming prior to the installation of Sikacoat BC420. Prime new metal and Kynar® coated metal with Sikacoat P400 and rusted metal substrates with Sikacoat P400R. Prime bituminous (nongranulated modified bitumen and smooth surface BUR) surfaces and aluminum coated roofs with Sikacoat P410. Prime TPO membranes with Sikacoat P400 when using Sikacoat FC3500. Primer must dry completely before installing Sikacoat BC420.

Sikacoat washes, primers and accessory products, when used, must be completely dry before applying Sikacoat BC420.

**MIXING**

Mix well before use.

**APPLICATION METHOD / TOOLS**

Sikacoat BC420 may be applied by spray, brush or roller. Best results are achieved when BC420 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. The Applicator must check wet film thickness during the application of the base coat to ensure achievement of specified coverage rates.

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## CLEAN UP

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

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## PRODUCT LIMITATIONS

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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 BC420 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 BC420 over wood shingles or untreated wood surfaces.
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## AVAILABILITY

From Authorized Applicators when used within Sikacoat roof coating systems.

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## MAINTENANCE

Standard maintenance of roofs should include regular inspection of flashings, drains and termination sealants at least twice a year and after each storm.

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## WARRANTY

As a Sika supplied accessory, Sikacoat BC400 is covered under Sika Corporation warranties.

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## LEGAL NOTES

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