

Affinity™ Base Coat

Polyurethane Roof Coating

Manufacturer:

Conklin Company Inc.
551 Valley Park Drive
Shakopee, Minnesota 55379
(800) 888 – 8838 Fax (952) 496 - 4285

Product Description:

Basic use: Affinity™ Base Coat is a polyurethane roof coating design to be used prior to the application of Affinity™ Top Coat as a waterproofing coating system for metal, approved membranes, and concrete.

Limitations: Must not be applied at temperatures below 40°F or during inclement weather. Surface temperature must be at least 5°F above dew point and relative humidity less than 80 percent to ensure dry surfaces. Mix thoroughly before use. Ambient temperature should not exceed 100°F and surface temperature should not exceed 120°F. The polyurethane foam must be free of ponding water. A roof surface which has more than 36 sq. ft. of water in any area ¼” deep or more, 48 hours after a rain, shall be considered unacceptable. Small “bird baths” cannot account for more than 5 percent of the entire roof surface.

Sizes: Available in a 5 gallon container.

Coverage Rate: Affinity should be applied at 1.1 gallons per 100 square feet.

Technical Data:

Resin Type	Urethane
Color	Gray
Coverage	1.1 gallons per 100 sq. ft.
Density	9.8 lbs./Gallon
Thickness	11 dry mils
Number of Coats	Base Coat
Dry Time**	8 Hours
Total Solids (by weight):	As mixed 72%
(by volume):	62%
Elongation	300% (ASTM D-2370)
Tensile Strength	950 psi (ASTM D-2370)
VOC Content	245g/L (2.0 lbs./gal)

**Dry time for Affinity Base Coat will vary depending on temperature, humidity, thickness at which the product is applied and wind. Lower wind speed, higher humidity or higher wet film thickness will increase the dry time in excess of the reported average.

Application:

Mixing/thinning: Always mix Affinity Base Coat thoroughly before use.

Surface Preparation: The substrate must be structurally sound, solid, clean and dry. On certain decks and surfaces, proper installation of drains, vapor retarders, roofing vents, expansion joints, flashings, and positive slope to drain will be required.

The application surface must be finished, smooth and free of grease, wax, dirt, contaminants, moisture and other matter that would interfere with adhesion. It must also be free of chips loose roofing or other foreign matter.

Do not apply to SPF foam surfaces with texture of “verge popcorn” “popcorn” or “tree bark”.

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Application: The recommended application rate is 1.1 gallons per 100 sq. ft. of Affinity base coat. This rate includes 15 percent for application loss and 10 percent for surface texture. Under very irregular roofing substrate conditions more product may be required. Must be applied in a continuous, unbroken film of dry thickness no less than 11 mils per coat over entire roof.

Clean Up:

While coating is still wet, clean tools and the area with xylene.

Disposal:

Dispose of product in accordance with local state and federal regulations governing hazardous waste.

Safety:

Warning: HARMFUL IF SWALLOWED. May cause eye, skin and respiratory system irritation. Keep out of the reach of children. If spraying use a NIOSH-approved dust/mist mask.

First Aid: Eyes – immediately flush with plenty of water for at least 15 minutes. If a contact lens is present, **DO NOT** delay irrigation or attempt to remove the lens until flushing is complete. Skin – wash with soap and water, followed by a thorough rinse. Ingestion – if swallowed, **DO NOT INDUCE VOMITING**, dilute with three to four glasses of water. Immediately call a Poison Control Center or physician for further instructions. Inhalation – immediately move to fresh air.

For US Health Hazard Information, call:

1-888-786-0974

Proposition 65 Statement: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Storage:

Keep containers tightly closed when not in use. Store in a cool place, above 40° F. Keep from freezing.

Please Note: *Previous field- applied coatings and residential properties are not warrantable.*



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