

SKYTITE® S-1800 ACRYLIC ROOFING PRIMER

PRODUCT DESCRIPTION:

SKYTITE® S-1800 is an elastomeric acrylic primer developed to achieve good anchorage for roof coating topcoats over a variety of substrates, in particular including spray polyurethane foam while offering environmentally safe working conditions. **SKYTITE S-1800** has excellent resistance to heat, cold, moisture and weathering.

RECOMMENDED USES:

SKYTITE S-1800 may be used as a prime coat over a wide range of substrates which include, but are not limited to, wood, metal, concrete, masonry, various single ply membranes, spray polyurethane foam and most commonly used roof coatings. It is pigmented black to speed the curing process and increase roof surface temperature before application of sprayed-in-place polyurethane foam or roof coatings. The environmentally safe formulation makes **SKYTITE S-1800** the ideal solution for indoor applications.

TYPICAL PHYSICAL PROPERTIES:

TOTAL SOLIDS:

38% ± 2%

WEIGHT PER GALLON:

8.4 ± .2 lbs. per gallon

FLASH POINT:

None

CLEAN UP / THINNER:

Water

SHELF LIFE:

12 months @ 40° -90° F

COLOR:

Black

VISCOSITY:

600-800 CPAs Brookfield #2 @ 20 rpm

Shipping Weight: 55 gal Drum – 462 lbs. (net)

Storage: SKYTITE S-1800 will freeze and become unusable at or below 32°F (0°C). Do not store or ship unless protection from freezing is assured. Shelf life is approximately 12 months. Store at 50°F - 100°F (10°C - 38°C).

Freight Classification: Non-Hazardous/Non-Regulated Product

Surface Preparation: All surfaces must be clean and free of any dirt, oil, grease, soapy films, surface chemicals or other foreign contaminants. Slightly damp surfaces will not affect the performance of SKYTITE S-1800, provided there is no standing water or frost. New concrete should be water-cured in lieu of using curing compound. Any form of curing compound or release agent on any surface to be sealed with SKYTITE S-1800 must be completely removed, along with any laitance.

Prior to applying SKYTITE S-1800, all loose material, dirt and dust must be removed by use of a power vacuum, stiff-bristled broom or compressed air. If concrete is badly spalled, restore surface to a reasonable condition before priming.

If surfaces are highly contaminated, or if surfaces are to be subjected to unusual service conditions, consult BASF Technical Service Department for recommendations.

SKYTITE S-1800

PENETRATING WATER-BASED ACRYLIC PRIMER/SEALER

APPLICATION:

SKYTITE S-1800 may be applied by brush, roller or spray. Airless spray is the preferred method. Any airless spray equipment capable of 1,000 psi (6,980 kpa) and ½ gallon per minute (1.9 l/minute) delivery can be used. A reversible, self-cleaning spray tip with an orifice size of .015" to .027" (.4 mm to .7 mm) and minimum 40 degree fan angle is recommended. Before spraying, flush equipment with clean water to prevent contamination. Coverage rate will vary depending upon surface porosity. One coat is usually sufficient for sealing substrates when **SKYTITE S-1800** is used as a primer. When used as a sealer/finish, two coats are required to achieve a uniform sheen. Two coats may also be required when sealing lightweight concrete or other highly porous surfaces. The following are approximate application rates:

Concrete: 250 to 300 sq. ft./gallon (6.1-7.3 m²/l)

Lightweight Concrete: 100 to 150 sq.ft./gal. (2.4 -3.7 m²/l)

Wood: 300 sq. ft./gallon (7.3 m²/l)

Fiberglass: 300 to 400 sq. ft./gallon (7.3-9.8 m²/l)

Metal: 300 to 400 sq. ft./gallon (7.3 - 9.8 m²/l)

Thin as necessary with water to achieve adequate penetration of the surface being sealed. When used as a sealer/finish apply a second coat of **SKYTITE S-1800** at approximately 50% greater coverage rate than those listed above. When used as a primer on exterior applications, **SKYTITE S-1800** should be top coated within 48 hours to ensure optimum bonding characteristics. Do not permit **SKYTITE S-1800** to puddle or "glaze" over on top of the substrate. Allow to dry thoroughly prior to top coating. On interior applications, the dry time is dependant on the ability of the water to evaporate from the film. Use fans to generate maximum air movement. Covered tanks and vessels may require a dehumidification unit to accelerate the dry time.

LIMITATIONS & PRECAUTIONS:

SKYTITE S-1800 is a thin penetrating sealer. It is not designed for use as a high-build surface coating. Do not use over metal under immersion conditions. **SKYTITE S-1800** will freeze and become unusable below 32°F (0°C). Do not ship or store unless protection from freezing is available. Do not apply if conditions will not permit complete cure before rain, dew or freezing temperatures occur. Do not apply in the late afternoon if moisture condensation can appear during the night. Do not apply **SKYTITE S-1800** at temperatures below 50°F (10°C). **SKYTITE S-1800** may be an irritant to skin. Avoid breathing of vapor or spray mist. Approved MSHA/NIOSH chemical cartridge respirator must be worn by applicator. Avoid contact with eyes and skin.

For additional information, refer to OSHA guidelines and **SKYTITE S-1800** Material Safety Data Sheet.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY:

Various Special Warranties may be purchased from BASF Corporation. These include Full System Limited Warranties for 5 to 20 years and Coating-Only Limited Warranties for 5 to 20 years. Special warranties are available only when the roof system is applied by a BASF Approved Applicator in strict accordance with BASF's application specifications for the particular warranty package selected. If no special warranty is purchased, BASF's Standard Product Warranty applies. For details on all available warranties, contact your BASF Roofing Specialist.

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Certifications, approvals and listings are based on a specific design configuration and should be verified with BASF.

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