

Sika Sarnafil Inc.

World Class Roofing and Waterproofing

ROOFING TECHNICAL BULLETIN

#03-06b

Date: May 11, 2007

To: Authorized Roofing Applicators
Sika Sarnafil Sales Staff & Sales Representatives
Sika Sarnafil Regional Technical
Sika Sarnafil Customer Service
Sika Sarnafil Services

From: Technical Services Department

Re: Installing Sarnavap Self-Adhered (updated to include new water-based primer)

Sika Sarnafil is offering a self adhered vapor barrier that can also function as a temporary roof. We chose this product due to the ease with which the product is installed and because insulation boards can be adhered to it using urethane based low rise adhesive. The product may be left exposed for up to 3 months when used as a temporary roof.

Product Description

Sarnavap Self-Adhered is made of polymer modified bitumen with a top surface of high density polyethylene grid laminated between two layers of polyethylene film. A silicone release film covers the self adhesive under side. Sarnavap Self-Adhered is 32 mils (0.8 mm) thick. The rolls are 44.9 inches (1.14m) wide by 133 ft (40.8 m) long providing a net coverage of 468 sq. ft. (43.5 sq. m). The Sarnavap Self-Adhered primer enhances the adhesion of the membrane to various substrates. The primer is available in both a solvent-based and water-based formula.

APPLICATION OF SARNAVAP SELF-ADHERED

Sarnavap Self-Adhered is to be installed on clean, dry substrates. New concrete decks must cure at least seven days before installing Sarnavap Self-Adhered. Do not install Sarnavap Self-Adhered when the air temperature is below 32 F (0 C), during rainy or snowy conditions or on wet/humid surfaces, and do not use the Sarnavap Self-Adhered Primer WB (water-based) when the air temperature is below 41 F (5 C). The use of either the water-based or solvent-based primer is required on all substrates other than steel, such as, concrete, lightweight concrete, gypsum and Dens Deck products. Steel substrates do not need priming, but must be clean, dry and free of dust.



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Sarnavap Self-Adhered primers must be shaken well before use and may be applied with a brush, roller or spray. The application rate will vary depending on the substrate with average coverage for porous surfaces of 0.74 to 1.22 gal./sq. (0.3 to 0.5 L/m²) and 0.25 to 0.61 gal./sq/ (0.1 to 0.25 L/m²) for non porous surfaces. The primed surface must be completely dry before applying the self adhered membrane and the primer needs to be reapplied if it rains before putting the Sarnavap Self-Adhered membrane down.

When installing the product, begin at the bottom of the slope. Unroll Sarnavap Self-Adhered onto the substrate for alignment. Overlap each sheet by 3 inches (75 mm) in the lengthwise direction, following the reference line and by 6 inches (150 mm) at each end. Stagger end laps by at least 12 inches (300 mm). When aligned, peel back a portion of the silicone release sheet and press the membrane onto the substrate. When securely adhered, continue peeling the release sheet diagonally. Use a minimum 75 lb. (34 kg) roller to press each roll of Sarnavap Self-Adhered membrane down onto the substrate, including the laps. Finish by aligning the edge of the roller with the lower end of the side laps and rolling up the membrane. Use the roller to push any air bubbles out to the edge of the membrane. Do not cut the membrane to remove air bubbles.



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