

# Sika Sarnafil

*World Class Roofing and Waterproofing*

## **ROOFING TECHNICAL BULLETIN**

**#02-11**

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

From: Technical Service Department

Date: 05-01-11

### **Subject: Sarnacol 2170 VC – VOC Compliant Bonding Adhesive -Revised**

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Sarnacol 2170 VC is a VOC compliant<sup>1</sup>, solvent-based reactivating adhesive used with Sika Sarnafil Adhered systems and/or flashing details. It is also used to adhere flashings in Sarnafil waterproofing systems. It is formulated for adhering Sarnafil PVC membranes to properly prepared substrates such as wood, sheet steel, masonry, concrete, solvent resistant insulation and approved cover boards.

<sup>1</sup>The EPA considers the solvent used in Sarnacol 2170 VC as "exempt", therefore the product can be used in all jurisdictions operating under the EPA guidelines. At this time, the SCAQMD does not recognize it as "exempt", and therefore the adhesive cannot be used in jurisdictions governed by their regulations directly (e.g specific counties in CA) or indirectly (LEED and Green Globe projects).

Sarnacol 2170 VC has FM Approval in accordance with Standard 4470 (wind and fire testing) and UL Approval in accordance with UL 790 for exterior fire.

Sarnacol 2170 is roller-applied to both the membrane (except feltback) and substrate in the following manner: Apply Sarnacol 2170 to the substrate and allow to dry. After the substrate adhesive has dried completely, apply Sarnacol 2170 to the back side of the membrane, and allow to become tacky (producing strings) when touched with a dry finger. The Sarnacol 2170 on the membrane shall not be permitted to dry completely. The membrane is then placed on the substrate (mating adhesive surfaces) and rolled firmly into place with a water-filled, foam-covered lawn roller or linoleum roller (vertical flashings are hand-rolled). During high temperatures Sarnacol 2170 VC will flash off faster than standard 2170. It is recommended that adhesive be applied to the membrane backside in 6-8 foot increments and the membrane rolled onto the substrate



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before membrane adhesive dries completely. When applying feltback membrane, the substrate adhesive is allowed to dry

completely. A second coat of Sarnacol 2170 VC is then applied over the dry layer and feltback membrane is laid into the wet adhesive and rolled immediately.

## **Storage /Packaging**

Sarnacol 2170 VC is supplied in 5 gal (18.9 L) steel containers weighing 45 lbs (20.4 kg). The shelf life is 12 months in a tightly closed container and temperatures between -4°F (20°C) and 86°F (30°C).

## **Coverage Rates**

### Substrate

Isocyanurate Facer  
Smooth Plywood  
Metal  
Concrete Wall  
Georgia Pacific DensDeck®  
Georgia Pacific DensDeck Prime®  
Georgia Pacific Duraguard®  
USG Securock Gypsum Fiber ®

### Total Rate for Bareback Membrane

1-¾ gallons per square (0.71 liters/meter<sup>2</sup>)  
1-½ gallons per square (0.61 liters/meter<sup>2</sup>)  
1-¼ gallons per square (0.51 liters/meter<sup>2</sup>)  
1-¾ gallons per square (0.71 liters/meter<sup>2</sup>)  
1-¾ gallons per square (0.71 liters/meter<sup>2</sup>)  
1-½ gallons per square (0.61 liters/meter<sup>2</sup>)  
1-½ gallons per square (0.61 liters/meter<sup>2</sup>)  
1-¼ gallons per square (0.51 liters/meter<sup>2</sup>)

### Substrate

Isocyanurate Facer  
Smooth Plywood  
Metal  
Concrete Deck  
Concrete Wall  
Cellular Concrete (Feltback only)  
Masonry Wall  
Georgia Pacific DensDeck®  
Georgia Pacific DensDeck Prime®  
Georgia Pacific Duraguard®  
USG Securock Gypsum Fiber®-

### Total Rate for Feltback Membrane

2-¼ gallons per square (0.92 liters/meter<sup>2</sup>)  
2 gallons per square (0.81 liters/meter<sup>2</sup>)  
1-¾ gallons per square (0.71 liters/meter<sup>2</sup>)  
2-¼ gallons per square (0.92 liters/meter<sup>2</sup>)  
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