

Viking Silcoat Bleed Trap 294

Viking Roofspec Supplier Code: VSC600
Version 1.0

Introduction.

This Data Sheet is to serve as a reference guide for Viking Roofspec Licensed Installers who are already familiar with Viking Roofspec's Silcoat system and are responsible for Viking Silcoat installations. The following guide contains precautions, best uses and application procedures for the correct installation of Viking Silcoat Bleed Trap 294.

Silcoat Bleed Trap 294 is a one-component, water-based elastomeric base coating and sealer that is highly resistant to dis-bonding and prohibits passage of asphaltic oils from existing asphalt roof materials.

Properties

Physical Property	Typical Value	Test Method
Appearance	Gray, fluid	-
Elongation, Initial	>250%	ASTM D2370
Flash Point	Non-flammable	-
Solids Content by Volume	>48%	ASTM D2697
Tensile Strength, Initial	>150 psi	ASTM D2370
Viscosity (Brookfield)	21,000-28,000 cPs	ASTM D2196
VOC Content (maximum)	50 g/l	EPA Method 24
Weight per Litre	1.25 – 1.36 kg	ASTM D1475
Packaging Size	19L	-

Characteristics:

- Excellent stain-blocking performance for silicone roof surface
- Good performance in ponding water
- Superior in-service flexibility at low temperatures
- Solvent-free and VOC compliant in all jurisdictions
- Easy application with roller, brush or commercial spray equipment

Application Rate

Minimum coating coverage is 610ml/m² when sealing granulated cap sheets and 400ml/m² for sealing smooth cap sheet/BUR prior to applying Silcoat 988. Application rates should be adjusted to meet each roof's specified requirements. Coverage rates are theoretical and do not consider material loss due to spraying, surface texture, etc. Thicker dry film results in better performance and longer coating life.

Installation

Clean: Before coating the roof, use a pressure washer with greater than 2,000 psi to clean the roof with a non-filming detergent, such as Simple Green. Use appropriate pressure and take caution not to inject water into the roofing substrate when power washing. In areas with stubborn dirt, grease or other contaminants, use a stiff bristle brush or broom to scrub the areas clean with additional water and non-filming detergent. Treat mildew or Mold. Remove rust on metal with a wire brush, sandblast or mechanically abrade until substrate is smooth and rust free. Rinse the roof to ensure it is free of all detergent or anything else that could affect adhesion. Using a leaf blower or broom, clear any remaining dust, dirt, debris or other foreign material that may prevent proper adhesion.

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Repair: Inspect area to be coated. On metal roofs, remove old and damaged mastic repairs at laps, seams and fasteners. Repair all defects including cracks, splits, holes, blisters, deteriorated flashings, cracked metal edging and any other defects affecting the water tightness of the roofing systems. Bitumen membrane repairs should be done with an LPG gas torch or hot air Liester to seal laps. Patch holes and cracks with bitumen membrane or a compatible bitumen liquid emulsion with VSC300A Polyester Fabric tape, allow to dry before applying bleed trap coating. Tighten or replace fasteners on metal roofs as necessary. Ensure all roof drains and gutters are clean and clear, and cut back any vegetation that is growing above the roof which may cause debris to fall on the roof and clog drains and gutters in the future. All roof areas must promote positive drainage. Contact Viking Roofspect for water ponding areas and other questions regarding repair of existing roof.

NOTE: Existing roof membrane, insulation and all substrates must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost, laitance, loose and flaking particles, or other contaminants. All leaks must be sealed prior to application of coating.

Apply: Choose a warm, sunny day – the roof surface should be warm to the touch. If the roof surface is too hot to touch (60°C+), it is too hot to coat. Apply to a clean dry surface. Do not dilute. Stir coating to a uniform consistency and apply by heavy-duty spray or deep-pile paint roller. When applied by roller, keep strokes in one direction. For newly-applied asphalt emulsion, apply coating as soon as it has cured, normally 1–7 days. Please consult Viking Roofspect for specific questions regarding application of this product.

If top coating with Silcoat 988 Silicone Roof Coating, wait a minimum of 48 hours, or until completely dry, before application.

Clean-up

Before coating dries, clean tools, spillage, etc., with warm soapy water. If coating has dried, soften the dried film on tools with lacquer thinner, and then scrape clean. When using lacquer thinner, exercise safe practices concerning flammability and toxicity. Clean hands with waterless hand cleaner.

Precautions

- **DO NOT APPLY IF RAIN OR TEMPERATURES BELOW 10°C ARE EXPECTED WITHIN 12 HOURS (low temperature and/or high humidity may require longer drying time).**
- Do not heat container or store at temperatures greater than 48°C.
- DO NOT ALLOW COATING IN PAIL TO FREEZE.
- Not for use over plywood, walking decks, gravel, uncoated polyurethane foam, TPO roofing, shingles of any kind, or old roofs that are too dry and brittle to withstand the shrinkage stresses that occur after the application of any coating.

NOTE:

Silcoat Bleed Trap 294 is not colour controlled; colour variations may occur batch-to-batch. This variation does not affect the performance of the product.

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