VERSICO'S
725TR AIR & VAPOR BARRIER/TEMPORARY ROOF

Overview

Versico's 725TR Air & Vapor Barrier/Temporary Roof is a 40-mil composite that consists of 35 mils of self-adhering rubberized asphalt laminated to a 5-mil polyolefin film. A siliconized one-piece release liner prevents the material from bonding to itself in the roll and is easily removed for installation. 725TR is available in a 244-square-foot roll with dimensions of 39" x 75'. The factory-controlled thickness of the membrane ensures uniform barrier properties on the job, and the polyolefin film increases strength and has a non-skid surface suitable for the bonding of subsequent layers. Suitable Versico adhesives for attaching insulation to 725TR are:

- DASH™ adhesives
- OlyBond 500™ adhesives
- One Step adhesive

725TR is available in summer grade and winter grade. Summer grade incorporates a white film surface to maintain lower surface temperatures. The winter grade incorporates a black film surface to allow condensation to dry more quickly in cooler temperatures during late fall and winter months. Installation requirements remain the same for both versions.

Versico's 725TR is used on concrete, plywood, exterior gypsum, DensDeck Prime®, SECUROCK® or other approved substrates in conjunction with Versico roofing systems. Gypsum decks may require additional securement with mechanical fasteners. Use of CAV-GRIP™, CCW-702 or CCW-702 LV is required on all substrates. 725TR may be installed directly over a nailed Versico modified base sheet when primed with CAV-GRIP.

Versico's 725TR must be covered with roofing membrane within 120 days. T-joints must be sealed with an internal bead of Lap Sealant. Versico does not accept responsibility for the watertight integrity of the Versico 725TR related to workmanship issues or physical damage. For special situations, contact the Project Review and Warranty Services Department prior to specifying this material.

Installation

Surface Preparation: Concrete shall be in place for 28 days minimum. The substrate must be completely dry. The surface shall have a smooth finish and be free of voids, spalled areas, sharp protrusions, loose aggregate, laitance and form-release agents. Some curing compounds may interfere with proper adhesion, and an adhesion test is recommended. In the event of rain, concrete must be allowed to dry before the application of primer. Special attention must be taken when installing over new concrete in temperatures below 50°F. Artificial drying methods such as torches are not acceptable. In the event of excessive rain or snow, please refer to the Rubber Mat Test on the next page.

Adhesive: Surfaces to receive 725TR must be clean and dry. Apply CAV-GRIP, CCW-702 or CCW-702 LV to the substrate in a uniform manner avoiding puddles, globs and thin spots. Apply CCW-702 by spray, brush or with a long nap roller at 250 to 300 ft^2 per gallon for smooth structural concrete decks or 75 ft^2 per gallon for porous substrates. DensDeck Prime will require a coverage rate of 150 ft^2 per gallon. Other exterior gypsum boards may require heavier coverage rates or even multiple coats. CAV-GRIP shall be kept above 70°F prior to application. (**CCW-702 and CCW-702 LV will require one-hour minimum to dry at a temperature of 75°F. They have sufficient cure when they will not transfer when touched.**) Apply adhesive only to those areas that will be covered with membrane the same day. Re-prime any areas that become wet or dirty. Similar precautions should be followed with CAV-GRIP. CAV-GRIP is applied at a rate of 2,000-2,500 ft^2 per cylinder using a spray gun assembly (sold separately). Dry time for CAV-GRIP is approximately 5-10 minutes.

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Application: 725TR material must be keep at temperatures above 70°F prior to installation. Apply 725TR from low to high points, in a shingle fashion, so that the laps will shed water. Overlap all edges by at least 2½". End laps should be staggered. Position membrane carefully to avoid fish-mouths and wrinkles. (**Roll the 725TR membrane immediately after installation with a 100-150-pound roller wrapped in a resilient material.**) When the 725TR is applied on a vertical surface, hand rolling with a 2" hand roller is required. Vertical surfaces must be prepared in the same fashion as horizontal surfaces.

Seaming: Install a 2"-long bead of lap sealant internally along any T-joints or step-offs. Then use a hand roller or stand-up seam roller to mate the seam together and ensure the seam's leading edge is rolled properly, paying particular attention to the T-joints and step-offs. If seam surface is contaminated, clean and prime with standard 725 primers.

Repairs: Following application, inspect all membrane for tears, punctures, fish-mouths, blisters and voids caused by misalignment at seams. Remove damaged membrane. Apply CAV-GRIP, CCW-702, CCW-702 LV to the exposed substrate and allow to dry. Apply a new section of 725TR to prepared substrate, extending at least 6" onto underlying adhered membrane on all sides. Firmly roll repaired area with a 2" hand roller to ensure a good seal. Slit fish-mouths and overlap the edges. Apply CAV-GRIP, CCW-702, CCW-702 LV to the repair area and place a section of 725TR over the repair, allowing it to extend at least 6" in all directions. When repairs generate a T-joint, follow the directions above for application of lap sealant. Firmly roll repair section to ensure a good seal.

Precautions

1. Use proper stacking procedures to ensure sufficient stability of the materials.
2. Exercise caution when walking on wet membrane. Membranes are slippery when wet.
3. Versico's 725TR membrane must be dry prior to installation of subsequent layers.
4. Versico's 725TR should be installed at temperatures above 40°F (air and substrate).
5. Avoid moving or stacking heavy loads on the installed membrane, particularly in hot weather. This could thin out the self-adhering barrier layer.
6. Refer to applicable Material Safety Data Sheets before using any Versico products.
7. Do not apply CAV-GRIP, CCW-702, CCW-702 LV or membrane to damp or contaminated surfaces.
8. Do not apply CAV-GRIP, CCW-702, CCW-702 LV or membrane to frozen substrates.
9. Do not allow Versico's 725TR to be exposed for more than 120 days.

Rubber Mat Test

The rubber mat test will identify the presence of excessive moisture in a concrete deck. Capillary moisture in concrete is detrimental to the adhesion and performance of many waterproofing systems.

Materials:

- 18" x 18" min. 4–6-mil polyethylene sheeting or
- 18" x 18" min. .060" EPDM membrane
- 2"-wide min. duct tape

Test Conditions: Conduct the rubber mat test at a minimum of 40°F for application of the waterproofing system.

Test in direct sunlight or use a sun lamp over the mat (max. distance 4 feet) in the absence of sunlight. The frequency of test shall be one test mat per 500 ft^2.

Procedure: Tape the mat tightly to the concrete surface. Ensure all edges are sealed.

Allow the mat to remain in place 4 to 8 hours (4 hours min.).

After 4 hours, remove the mat and visually inspect the underside of the sheet and the corresponding concrete surface for moisture.

Results: Some dampness may be present; however, if visible droplets of moisture are present beneath the mat, the substrate is too wet to proceed with waterproofing. The concrete must be allowed to dry further and be retested before waterproofing begins.

725TR AIR AND VAPOR BARRIER/TEMPORARY ROOF TYPICAL PROPERTIES AND CHARACTERISTICS

Test	Test Method	Typical Properties
Thickness	ASTM D1970	40 mils
Tensile Strength	ASTM D412	250 psi
Elongation	ASTM D412	250%
Peel Adhesion	ASTM D903	5 lbs/in
Puncture Resistance	ASTM E154	60 lbs
Permeability	ASTM D1970	0.05 perms
Air Permeance	ASTM E2178	0.000 L *m^2 @ 75 Pa

** Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.*

LEED® INFO

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Terrell, TX
VOC Content	0 g/L
Solar Reflectance Index	N/A