

# VERSICO'S DASH™ DC ADHESIVE (Dual Cartridge)



## Overview

Versico DASH DC (Dual Cartridge) adhesive is a construction-grade, two-component, polyurethane adhesive. The low-rise, expanding characteristics are designed to bond VersiFleece® membranes and insulations to a variety of substrates. Versico DASH DC is compatible with wood fiberboard, polyisocyanurate insulation, EPS, extruded polystyrene, DensDeck®, SECUROCK® and OSB. Compatible deck types include concrete, cellular lightweight concrete, gypsum, cementitious wood fiber, wood and painted or galvanized steel. Versico DASH DC is also compatible with the following roofing substrates: smooth BUR (previously exposed), mineral cap sheet, smooth (previously exposed) or granulated SBS Mod-Bit and 725TR Vapor Barrier. Previously unexposed asphalt must be primed with CAV-GRIP™ or 702 Primer. Versico DASH DC is applied in beads or ribbons 4", 6" or 12" o.c. depending on the wind zone, building height and code requirements to produce a strong adhesive bond between the membrane, insulation and the substrate. Factory Mutual approval over a variety of deck types and substrates has been achieved.

## Precautions

1. Review the applicable Material Safety Data Sheet for complete safety information prior to use.
2. The foam produced is an organic material. It must be considered combustible and may constitute a fire hazard. The foam adhesive must not be left exposed or unprotected. Shield from heat and sparks.

3. Do not smoke during application.
4. Use with adequate ventilation. Avoid breathing vapors. Wear a NIOSH- or MSHA-approved respirator for organic vapors with prefilters and solvent-resistant cartridges if concentrations of MDI exceed the TLV or are unknown. Proper safety training is essential for all persons involved in the installation process. If inhaled, remove to fresh air and administer oxygen if breathing is difficult. Consult a physician immediately.
5. Avoid contact with eyes. Safety glasses or goggles are required. If splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
6. Avoid contact with skin. Wear long sleeves and pants. Wash thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water or corn oil. NOTE: Nitrile gloves are required when handling Part A directly.
7. Jobsite storage temperatures in excess of 90°F (32°C) may affect product shelf life and lead to leakage around the bottom seal. Should the components be stored at temperatures lower than 55°F (13°C), restore to room temperature prior to use. Do not allow Versico DASH DC to freeze.
8. High-slope applications require beads to be applied to the back of the insulation board on a flat surface.
9. REMOVE THE NOZZLE IMMEDIATELY from a partially used cartridge when stopping or pausing for more than 30-60 seconds. Wipe opening with a clean rag and reinstall plastic stopper. When ready to restart application of adhesive, ensure opening in each side is clear and install new nozzle.
10. KEEP OUT OF THE REACH OF CHILDREN.

**WARNING (CAUTION): Failure to remove nozzle from partially used cartridge will cause increased internal pressure upon reuse, with possible rupture of the cartridge and result in personal injury.**

## Applications

1. The surface to which the adhesive is to be applied shall be smooth, dry and free of fins, sharp edges, loose and foreign materials, oil, grease and standing water. All sharp projections and loose material shall be removed by sweeping, blowing or vacuum cleaning. Previously unexposed asphalt must be primed with CAV-GRIP or 702 Primer.
2. Seal gaps between the wall/penetration and concrete deck with Versico 725TR or other suitable material to avoid condensation issues and positive pressure issues from air infiltration.
3. Proper adhesion of existing roof coatings to their substrate must be verified prior to bonding to these materials.
4. Fibrous cement decks must be investigated for their ability to retain liquid adhesive. (Some types of fibrous cement decks may allow liquid adhesive to flow through the deck.)
5. Apply Versico DASH DC when the substrate and ambient temperatures are 50°F and above.
6. Apply Versico DASH DC Winter Grade when the substrate and ambient temperatures are 25° - 50°F.

Building Height	Bead Spacing (Perimeter)	Bead Spacing (Field)
0-25'	6" o.c. -4' perimeter	12" o.c.
25-50'	6" o.c. -8' perimeter	12" o.c.
50-75'	6" o.c. -12' perimeter	12" o.c.
75-100'	6" o.c. -16' perimeter	12" o.c.
100' or greater	Contact Versico for bead spacing requirements	

2. When following Factory Mutual guidelines, bead spacing in the perimeter and corner areas may differ from the table above. Beads at 12" o.c. are not acceptable at perimeters or corners.
3. Place 4' x 4' maximum insulation boards into Versico DASH DC after allowing it to rise ½" and develop string/body (approx. 1 min. at room temperature) but before the adhesive reaches a tack-free state.
4. Designate one person to walk and roll boards into place using a 150-lb. weighted roller adding constant weight or slitting boards where necessary until adhesive sets-up.

## VersiFleece® TPO Attachment

1. Unroll VersiFleece TPO sheet and position. Fold sheets in half width-wise.
2. Apply DASH DC Adhesive to the substrate at 4", 6" or 12" on center (depending on building height, wind-speed warranty, warranty length and Factory Mutual guidelines).
3. Allow adhesive to rise and develop string/body (approx. 1.5-2 minutes), then roll VersiFleece TPO into DASH Adhesive. The time it takes for the adhesive to develop string will vary based on environmental conditions (temperature and humidity).
4. Roll membrane with a roller (not to exceed 150 lbs.) to ensure fleece embedment. If adhesive contaminates the splice area, immediately remove with splice cleaner or splice primer.

## Coverage Rate

VersiFleece or insulation attachment to: Lightweight concrete, concrete, wood, steel, smooth (previously exposed) BUR, Mod-Bit, mineral cap or multiple layers of insulation.

Per carton - 4 cartridge sets  
 600 sq.ft. - 12" o.c.  
 300 sq.ft. - 6" o.c.  
 200 sq.ft. - 4" o.c.

VERSICO DASH DC (DUAL CARTRIDGE) TYPICAL PROPERTIES AND CHARACTERISTICS		
Property	Part A (1) Polymeric Isocyanate	Part B (2) Polyols, Surfactants & Catalysts
Viscosity (CPS @ 25°C)	250 cps 10.25 lbs/gal	300-500 cps 8.75 lbs/gal
Avg. Net Weight Packaging	0.2 gal (0.75 L) per cartridge	0.2 gal (0.75 L) per cartridge
VOC Content	0 g/L	
Mixing Ratio by Volume	1:1 Part A to Part B	
Shelf Life	1 Year	

\*The portable 1:1 applicator is a hand-operated, lightweight, portable unit that consists of an oversized, dual cartridge caulking gun used to transfer the two-component Versico DASH DC from the plastic cartridges to the substrate. From the applicator, the adhesive flows through a disposable static mixing nozzle and onto the substrate. Since the adhesive reaction occurs in the nozzle, clean-up and maintenance is fast and easy. Each carton includes 4 cartridge sets and 6 static mixing tubes.

\*\*General properties. 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 or specification range for any particular property of this product.

## Insulation Attachment

1. Apply a ½"- to ¾"-wide bead of Versico DASH DC using a portable 1:1 applicator (oversized, dual-cartridge caulking gun)\* with beads spaced as outlined on the following chart for 5-, 10-, or 15-year or 55-mph warranties. Contact Versico for additional requirements.