

WeatherBond

DASH Bag In A Box Adhesive

Overview

DASH Bag in a Box Adhesive is a VOC-free two-component, construction-grade, insulating, polyurethane adhesive. The low-rise, expanding characteristics of DASH Bag in a Box Adhesive are designed to securely bond WeatherBond TPO or WeatherBond PVC fleece membranes and insulations to a variety of substrates. DASH Adhesive is compatible with: fiberboard, polyiso, extruded polystyrene (XPS), expanded polystyrene (EPS), spray polyurethane foam (SPF), DensDeck®, Securock® and OSB. Compatible deck types include concrete, cellular lightweight concrete, gypsum, cementitious wood fiber, wood, and painted or galvanized steel. DASH is also compatible with the following roofing materials for recover applications: weathered smooth- or gravel-surfaced BUR, mineral cap sheet, weathered smooth- or granule-surfaced Mod-Bit, weathered coal tar pitch, aged EPDM, aged TPO, aged Hypalon and WeatherBond's VapAir Seal™ 725TR. Previously unexposed asphalt vapor barriers or unexposed asphalt must be primed with Cav-Grip™. DASH Bag in a Box Adhesive is extruded to produce a strong, low-rise adhesive with superior wind uplift resistance and a nominal free-rise core density of 2.5 lbs. per cu. ft.

DASH Application

Requires PaceCart 2™

1. The surface to which adhesive is to be applied shall be dry and free of fins, protrusions, sharp edges, loose and foreign materials, oil and grease. Depressions greater than 1/8" (6 mm) shall be filled with DASH Adhesive or other approved patching material. All sharp projections shall be removed. **Previously unexposed asphalt must be primed with Cav-Grip for extrusion application.**
2. **Seal gaps between the wall/penetration and concrete deck with WeatherBond 725TR or other suitable material to avoid condensation issues and positive pressure from air infiltration.**
3. For re-roofing sprayed-in-place (SPF) urethane roofs, all wet areas must be removed. The surface must then be scarfed or perforated, depending on the coating, before applying DASH Bag in a Box Adhesive.
4. Apply DASH Bag in a Box when substrate and ambient temperatures are 50°F (10°C) or above.
5. Apply DASH Bag in a Box Winter Grade when substrate and ambient temperatures are between 25° – 50°F (-4° – 10°C). DASH must be kept warm.
6. Remove static mixing nozzle when stopping for more than one minute. Failure to remove nozzle can cause damage to the PaceCart.
7. High-slope applications may require adhesive to be applied to the bottom of the insulation board to avoid running.

Fleece Installation

Mod-Bit Method:

1. Unroll fleece sheet and position. Fold sheet in half lengthwise.
2. Apply DASH Bag in a Box Adhesive to the substrate at 4", 6" or 12" on center with a **minimum 1/2" wet bead** achieving light-yellow-colored foam.
3. Once "string time" occurs, gradually feed fleece sheet into DASH adhesive checking for "string body" every few feet. Stop feeding fleece sheet into the adhesive when applicator reaches adhesive that has NOT developed "string body". Immediately begin to roll membrane with a 150-lbs. weighted roller width-wise. Repeat process until fleece sheet is fully installed.

Barn Door Method:

1. Unroll fleece sheet and position. Fold sheets in half width-wise and bond one sheet at a time.
2. Apply DASH Bag in a Box Adhesive to the substrate at 4", 6" or 12" on center with a **minimum 1/2" wet bead** achieving light-yellow-colored foam.
3. Allow adhesive to rise and develop string/body (approx. 1½ – 2 minutes), then place fleece membrane into DASH Adhesive. String time will vary based on environmental conditions like temperature and humidity.
4. As soon as membrane is set, roll membrane with a roller not to exceed 150 lbs. to ensure fleece embedment. If adhesive contaminates the splice area, immediately remove with Weathered Membrane Cleaner.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Insulation Attachment

1. Apply DASH Bag in a Box Adhesive to the substrate at 4", 6" or 12" on center with a **minimum 1/2" wet bead** achieving light-yellow-colored foam. For steel decks, extrusion of DASH must run parallel with and be on top of the steel deck flutes.

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 WeatherBond for bead spacing requirements		

2. Factory Mutual bead spacing guidelines in the perimeter and corner may differ from the table above. Beads at 12" o.c. are not acceptable at perimeters or corners.



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ROOFING SYSTEMS

Single-Ply Simplified

- Place insulation boards (maximum 4' x 4' insulation boards when DASH Adhesive is extruded at 12" o.c. or when boards exceed 4" thickness) into DASH Bag in a Box Adhesive after allowing it to rise between ½" to ¾" and develop string/body (approx. 1.5 – 2 min.). String time will vary based on environmental conditions like temperature and humidity. Do not allow the adhesive to over-cure prior to setting insulation boards.
- Designate one person to walk boards into place and then roll the boards between 5–7 minutes from the initial adhesive application. Boards may be temporarily weighted or relief cut where necessary to keep the boards in constant contact with the adhesive until the adhesive cures.
- At the beginning of the insulation attachment process and periodically throughout the day, check the adhesion of boards to ensure a tight bond is created and maximum contact is achieved. Allow a minimum of 30 minutes before checking boards.

Precautions

- Review the application SDS for complete safety information prior to use.
- 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.
- Do not smoke during application.
- 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 vapor is inhaled, remove to fresh air and administer oxygen if breathing is difficult. Consult a physician immediately.
- 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.
- Avoid contact with skin. Wear long-sleeved shirts and long pants. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water or corn oil.

NOTE: Permeation-resistant gloves that meet ANSI/ISEA 105-2005 are required when handling the material or during application.
- Jobsite storage temperatures in excess of 90°F (32°C) may affect product shelf life. Should the components be stored at temperatures lower than 55°F (13°C), restore to room temperature prior to use. Do not allow DASH Adhesive to freeze.
- Previously unexposed asphalt must be primed with CAV-GRIP.
- KEEP OUT OF THE REACH OF CHILDREN.

Coverage Rate

Fleece attachment to a smooth, flat non-porous approved surface:

- 170 sq.ft. per gallon at 12" o.c.
- 95 sq.ft. per gallon at 6" o.c.
- 65 q.ft. per gallon at 4" o.c.

(Sq.ft. per gallon may vary due to jobsite conditions...gravel BUR will consume twice as much adhesive.)

Typical Properties and Characteristics

Base	DASH Part A (1) Polymeric Isocyanate	DASH Part B (2) Polyols, Surfactants & Catalysts
Mixing Ratios by Volume	1:1 Part A to Part B	.015"
Viscosity (CPS @ 25°C)	250	300–500
Average Net Weight	10.25 lbs/gal	8.75 lbs/gal
Packaging	5-gal box (19 L)	5-gal box (19 L)
Speeds	Standard	Standard (50°F and above) DASH Winter Grade (25°–50°F)
Shelf Life	1 year	10 (1.75)
VOC Content	0 g/L	0 g/L
Manufacturing Location	Carlisle, PA	Carlisle, 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.



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ROOFING SYSTEMS

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P.O. Box 251 | Plainfield, PA 17081 | 866.471.5125 | FAX: 717.960.4034 | www.weatherbondroofing.com

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