**USP® FLEECE MEMBRANE FOAM ADHESIVE**

**Description:** USP® Fleece Membrane Foam Adhesive is a two component, low rise polyurethane adhesive designed to attach USP® FB EV-Plus Membranes to a variety of approved substrates in accordance with current USP® Single Ply Specifications and Construction Details.

**Application Method:** USP® Fleece Membrane Foam Adhesive is applied using a compatible delivery system such as the PaceCart™ Dispenser or lightweight SpotShot™ applicator made by OMG.

**Coverage Rate:** Rate is average coverage based on approved, smooth, non-porous surface with a ¾” to 1” (19-25 mm) wide bead.

**Bead Spacing Coverage Rate:** ft²/gal (m²/L)
- 12” o.c. 170-200 (4.1-4.8)
- 6” o.c. 90-120 (2.2-2.9)
- 4” o.c. 60-90 (1.4-2.2)

These are typical coverage rates that are applicable when the USP® Fleece Membrane Foam Adhesive is properly mixed with a 1:1 ratio and applied in the appropriate bead spacing in a serpentine pattern at a bead width of ¾” to 1” (19 mm to 25.4 mm). Coverage rates may vary on substrate type and condition as well as increasing the bead spacing.

**Product Data:**

**USP® Fleece Membrane Foam Adhesive (typical)**

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
<th>Wt</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartridge</td>
<td>FB-7745</td>
<td>20 lbs/case</td>
<td>1500 ml</td>
</tr>
<tr>
<td>(Bag/Box) Part 1</td>
<td>FB-7740-1</td>
<td>50 lbs/box</td>
<td>Bag/Box</td>
</tr>
<tr>
<td>(Bag/Box) Part 2</td>
<td>FB-7740-2</td>
<td>50 lbs/box</td>
<td>Bag/Box</td>
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**Boxes:** Part 1- 5 gal bag in the box and Part 2 – 5 gal bag in the box. Specifically designed to be dispensed using the PaceCart 2™ dispenser. The Pace Cart 2™ dispenser pumps the USP® Fleece Membrane Foam Adhesive parts 1 and 2 simultaneously to a static mixer which allows a properly mixed bead of adhesive to be applied to the receiving substrate.

**Cartridge:** 1500 ml cartridge kit (750 ml part 1 and 750 ml part 2). Cartridges can be dispensed using various USP® approved hand or multi-bead electric dispensing units. The dispensing units extrude Part 1 and Part 2 simultaneously through a static mixer which allows a properly mixed bead of adhesive to be applied to the receiving substrate.

**Application Instructions:** Install only as much roof membrane adhered with USP® Fleece Membrane as can be covered and made watertight during that working day. The substrate must be clean, smooth, dry and free of sharp edges, loose and foreign materials, oil, grease, and other contaminants. Proper equipment must be used to install USP® Fleece Membrane Foam Adhesive. Apply the adhesive on the substrate in beads spaced at a maximum of 12” (300 mm) on center with a ¾” – 1” (19.00 mm-25.4 mm) wide bead. It is important to allow the adhesive to rise in height. Before a skim coat develops on the adhesive mate the USP® FB EV-Plus roofing membrane to the substrate. Immediately after setting the membrane in the USP® Fleece Membrane Foam Adhesive, it is required to apply continuous pressure to the bonded membrane using a roller (maximum weight 150 lbs. – 68 kg). It is important that freshly installed membrane remain in contact with the substrate and USP® Fleece Membrane Foam Adhesive until the adhesive sets to ensure proper adhesion.

**Reaction Time:** When applying the USP® Fleece Membrane Foam Adhesive, the USP® FB EV-Plus membrane must be placed in the adhesive while it is still wet and tacky (before it reaches tack free state). The membrane may be placed into the adhesive shortly after it has reached its maximum rise typically after 2-3 minutes.

**Approved Substrates:** Structural Concrete, Cementitious Wood Fiber, Gypsum, LWIC (cellular or air entrained lightweight concrete), existing Asphalt Modified Bitumen (smooth surface or mineral surface), DuraFlex® SBS base sheets, polyisocyanurate insulation board, DensDeck® cover boards, Securock® cover board.

**Non-Approved Substrates:** Coal Tar Pitch BUR, Expanded or Extruded Polystyrene Foam insulation board, Fiberglass insulation board, High Density Wood Fiberboard and Perlite insulation board.

**Cautions:** USP® Fleece Membrane Foam Adhesive may be installed only when ambient conditions, and bonding substrates and membranes, exceed 40°F, (4°C) and are rising.
- Store in original and unopened containers at temperatures between 60°F (15.6°C) and 80°F (26.7°C) prior to use.
- Do not store in direct sunlight.
- Do not allow to freeze.
- Do not expose to moisture.
- Ship and store product with handle side up and keep caps of nozzle closed tightly.

**Warning:** Review applicable MSDS sheet prior to use. Personnel that are sensitive/allergic to polyisocyanate or polyurethane should not work with USP® Fleece Membrane Foam Adhesive. Avoid contact with eyes. Avoid breathing vapors. Avoid contact with skin. Use caution when removing caps from cartons. Do not burn empty containers. Dispose of in accordance with local, federal, and state regulations. For use with USP® FB EV-Plus Roof Membranes only.

**Shelf Life:** 12 months when stored between 60°F (16°C) and 80°F (27°C) in unopened containers and out of direct sunlight.

**KEEP OUT OF THE REACH OF CHILDREN.** For professional use only. Use only with approved equipment sale to consumer is violation of federal law. If you cannot read, or do not understand, all directions, cautions and warnings, do not use this product. Read MSDS prior to use.

**Note:** PaceCart 2™ is a registered trademark of OMG, Inc.

**California Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer, birth defects and/or reproductive harm.

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by “in-house” and independent “third party” evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer’s representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.