

RAVEN INDUSTRIES ACCESSORIES

From tie-down fasteners to field seaming tape, Raven Industries has the accessories you need to maximize your film's versatility and minimize installation time on the job.

Accessory Tapes

VaporBond Tape (TVB4)



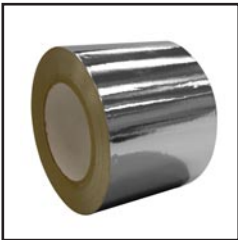
This white single-sided tape combines a heavy-duty, weather-resistant polyethylene backing with an aggressive rubber adhesive. VaporBond Tape offers excellent seaming capabilities for our materials with an "Easy Tear" feature to reduce installation time. Typical applications include vapor retarders, covers and liners. Available in a 4" x 210' roll.

R25B Tape (R25B)



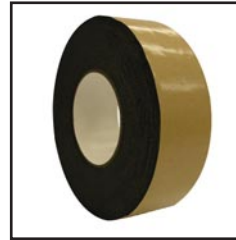
R25B Tape is a single sided aggressive synthetic elastomeric adhesive that bonds instantly to properly prepared polyethylene and polypropylene. The black polymer backing and adhesive is specially formulated to provide years of performance even in direct sunlight. A poly release liner provides for ease of installation. Available in a 4" x 100' roll.

VaporBond Plus Tape (TVBP4)



VaporBond Plus is a single-sided aluminum foil tape with a release liner for ease of installation. The aluminum foil has very high impermeability to methane and other gases. Acrylic adhesive provides outstanding adhesion to polyethylene over a wide temperature range. Typical uses include joining and sealing gas/moisture barriers. Available in 4" x 150' rolls

Butyl Seal Tape (TP2BR)



Butyl seal is a double-sided reinforced aggressive black butyl rubber tape used to join panels of polyethylene and polypropylene together by overlapping the edges and applying Butyl Seal in between. It is also used to adhere to concrete walls and footings when properly prepared. Butyl Seal is non-hardening and flexible. Available in 2" x 50' roll.

Canvex® Seal Tape (TS4WT)



Canvex Seal Tape is a single-sided white woven tape that contains an acrylic adhesive with a release liner. It has excellent adhesion to polyethylene and the acrylic adhesive provides much longer life than many competitive tapes. It is recommended for taping the seams on in-wall vapor retarders and crawl spaces. Available in a 4" x 100' roll.

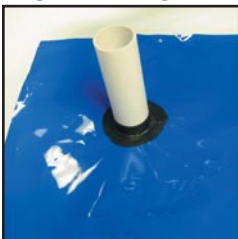
VaporBoot Tape (TBOOT)



VaporBoot Tape is a single-sided elastomeric butyl tape used to complete pipe boot installations (sealing the boot to the pipe). The 100% stretchable Butyl adhesive features excellent adhesion values and 3-D stretching that can be easily molded to multiple surfaces without any creases and folds. Available in 2" x 10' roll.

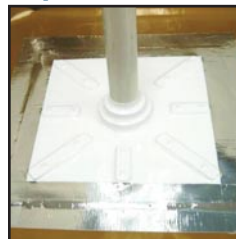
Additional Accessories

VaporBoot System (VBOOT)



The VaporBoot System is designed to assist in securing pipe and other penetrations that run vertically through the vapor retarder material. The VaporBoot System offers a quick solution and is delivered to the jobsite in a complete package. VaporBoots are produced from high performance VaporBlock® material. Package Contents: 25 - VaporBoots (18" x 18", w/precut center marker) 2 - rolls of VaporBoot Tape.

VaporBoot Plus Preformed Pipe Boots (VBPBT)



VaporBoot Plus Preformed Pipe Boots are produced from heavy 40 mil co-extruded polyethylene and barrier resins for excellent strength and durability. The preformed boots are stepped to fit 1" to 4" wide pipe penetrations. VaporBoot Plus Preformed Pipe Boots are available in quantities of 12 per box.

RAVEN INDUSTRIES ACCESSORIES

Additional Accessories (continued)

Dura♦Skrim® Reinforced Sandbags



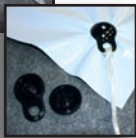
Dura♦Skrim reinforced sandbags are used to secure large covers and liners to prevent wind damage. Made from Dura♦Skrim 8 & 12 mil reinforced polyethylene, they are designed for a minimum life of 2 years in exposed applications. These 15" wide x 24" long bags will hold 35 lbs. Sandbags are available in other Raven reinforced materials with minimum order requirements. 11.8" Cable Ties are available.

Dura-Clip (CLIP11)



These full size clips are 11" long and fit most commercial scaffolding. Dura-Clips will securely fasten your poly sheeting to scaffolding, reducing wind whip and increasing the life of your enclosure. Clips are normally placed about every 3' onto the enclosure.

Tie-Down Buttons (BUTI) & Tarp Grabbers (BUTEZ)



Tie-Down Buttons & Tarp Grabbers help keep plastic sheeting securely in place. Tie-Down Buttons are designed to eliminate traditional grommets in plastic sheeting up to 10 mil thick and are reusable plastic fittings that are easy to install in any position. Tarp Grabbers are up to 4 times stronger than a brass grommet and are typically used in heavier plastic sheeting from 10 mil to 30 mil thick. Great for equipment covers, large storage covers and truck tarps.

Raven Welding Rod



Raven Welding Rod is used for field seaming, repairs and detail work, such as installing pipe boots. Packaged in 10 lb spools, it is available in 4mm and 5mm sizes to fit most brands of extrusion guns. Raven Welding Rod is made from a thermally UV stabilized LLDPE resin and is available in both black and white to correspond with the color of geomembranes being utilized.

Tape Accessory Properties

| | Canvex® Seal Tape (TS4WT) | VaporBond Tape (TVB4) | VaporBond Plus Tape (TVBP4) | VaporBoot Tape (TB00T) | R25B Tape (R25B) | Butyl Seal Tape (TP2BR) |
|-------------------------------------|--|---|---|--------------------------|--|---------------------------|
| Backing | Woven Co-Polymer | 7.5 mil Polyethylene | 1.5 mil Aluminum | Coated Release Paper | 8 mil Polyethylene | Coated Release Paper |
| Adhesive | 1.75 mil Acrylic Adhesive Pressure-Sensitive | 1.5 mil Rubber Based Pressure-Sensitive | 2 mil Acrylic Adhesive Pressure-Sensitive | .5 mm Black Butyl Rubber | 17 mil +/- 2 mil Synthetic Elastomeric | 1 mm Black Butyl Rubber |
| Color | White | White | Silver | Black | Black | Black |
| Type | Single Sided | Single Sided | Single Sided | Single Sided | Single Sided | Double Sided |
| Size | 4" x 100' | 4" x 210' | 4" x 150' | 2" x 10' | 4" x 100' | 2" x 50' |
| Rolls Per Case | 12 | 12 | 12 | 64 | 6 | 20 |
| Weight Per Case | 16 lbs | 45 lbs | 32 lbs | 45 lbs | 33 lbs | 55 lbs |
| Adhesion Values | 45 oz./ in. (to steel) | 30 oz./ in. (to steel) | 64 oz./ in. (to steel) | 145 oz./ in. (to steel) | 320 oz./ in. (to steel) | 107.5 oz./ in. (to steel) |
| Service Temp. | -40° F to +200° F | -40° F to +180° F | -40° F to +250° F | 14° F to +122° F | 20° F to +180° F | 30° F to +100° F |
| Minimum Application Temp. | 10° F | 50° F | 10° F | 14° F | 35° F | 35° F |
| Ideal Storage Temp./Humidity | 70° F w/ 40-50% | 70° F w/ 40-50% | 70° F w/ 40-50% | 70° F w/ 70% | 70° F w/ 40-50% | 70° F w/ 40-50% |

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. NO WARRANTIES ARE MADE AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and we disclaim all liability for resulting loss or damage.