

DENVER FOAM®

OPEN CELL POLYURETHANE

TECHNICAL DATA SHEET



1. Product Name: **DENVER FOAM®**

2. Manufacturer: **Backer Rod Mfg. Inc.**

4244 Broadway

Denver, CO 80216

Phone: 800-595-2950

Fax: 303-308-0393

Website: www.backerrod.com

3. Product Description:

Per ASTM C 1330 type O, **DENVER FOAM®** is a nongassing backer rod used as a backing for elastomeric and other applied caulking sealants. Denver Foam® controls the depth of the applied sealants and ensures crosssectional hour-glass configuration.

Specific Uses: For use in expansion/construction joints in concrete and pre-cast concrete walls, floors, partitions, bridge construction, parking decks, curtain walls, glazing, log home construction, highway construction, and pavement maintenance.

Both hot and cold applied sealants can be used with **DENVER FOAM®** per ASTM-D-5249-95.

Open cell **DENVER FOAM®** has an advantage allowing air to reach both sides of sealant offering a faster and more uniform cure. This is especially true for one part non-sag sealants. **DENVER FOAM®** can also be used in floor joints with self leveling sealants. Care should be taken in traffic areas where additional support is required.

4. Composition and Material:

DENVER FOAM® is continuous lengths of flexible, round, fabricated open cell polyurethane foam; yellow or black in color and available in a wide range of diameters listed in section 8 under packaging information.

DENVER FOAM® is also manufactured in half round shapes referred to as **DENVER FOAM HALF ROD**. Most commonly used in log home chinking applications, its unique design compresses securely into the joint while providing a flat chinking surface eliminating rounded backer rod telegraphing.

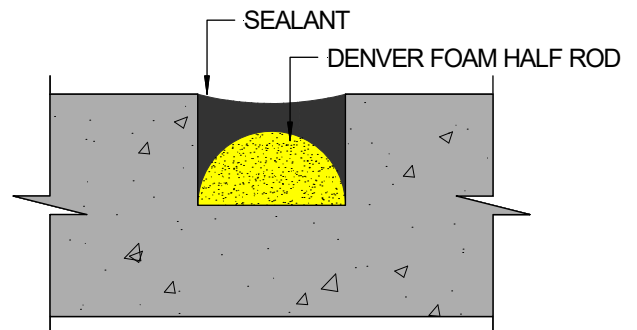
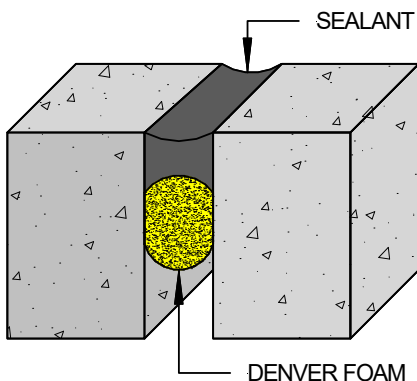
DENVER FOAM® HALF ROD can also be used in control joints with shallow depths where conventional round backer rod will not fit. Half Rod still allows for the proper sealant hour glass configuration and offers all of the advantages of traditional **DENVER FOAM®**. Please contact for packaging information.

5. Installation:

DENVER FOAM® should be installed in construction joints free from all contaminants, loose materials, and dry and free from frost. Install under minimum 25%, maximum 80% compression to offer a good tooling base. Systems can be installed without the fear of out-gassing associated with polyethylene closed cell backer rods.

6. Compatibility:

DENVER FOAM® is chemically inert and will resist oil, gasoline and most solvents. Material is odorless and will not stain. The open cell construction eliminates the out-gassing and cold flow problem associated with closed cell polyethylene backer rods.



Backer Rod Mfg. Inc.

7. Physical Properties:

Physical Properties		
Property	Value	ASTM Test Method
Density (Normal)	1.7 pcf	D 1622
Out-gassing	NONE	C 1253
Compression Recovery	>90	D 5249
Tensile Strength PSI	25 psi	D 1623
Temperature Range	-60° F to +500°F	D 5249
Auto Ignition	700° - 800° F	NA
Water Absorption	≤ 0.107 g/cm ³	C 1016 - Proc. B
Air Flow	90%	D 3574



The picture above details how “bales” are packaged into “Master Bags”

8. Packaging Information

Packaging Information					
Linear Feet Per Unit/ (metric)					Master Bag/ Bale Breakdown
Color Code	Diameter	LFT Master Bag	LFT Mini Bag	LFT Super Bundle (8 per)	
Beige	3/8” (10mm)	3600’ (1097m)	200’ (61m)	28,800’ (8780m)	3/8” x 900’ Bale - 4 Bales = 3600’ Master Bag
Red	5/8” (16 mm)	2000’ (608m)	100’ (30m)	16,000’ (4878m)	5/8” x 500’ Bale – 4 Bales = 2000’ Master Bag
Orange	7/8” (22mm)	1050’ (318m)	100’ (30m)	8,400’ (2561m)	7/8” x 350’ Bale – 3 Bales = 1050’ Master Bag
Green	1-1/8” (29mm)	600’ (182m)	75’ (23m)	4,800’ (1463m)	1 1/8” x 300 Bale – 2 Bales = 600’ Master Bag
Yellow	1-1/2” (38mm)	350’ (106m)	40’ (12m)	2,800’ (854m)	1 1/2” x 350’ Bale - 1 Bale = 350’ Master Bag
Blue	2” (51mm)	200’ (61m)	25’ (8m)	1,600’ (488m)	2” x 200’ Bale - 1 Bale = 200’ Master Bag

DENVER FOAM® Master Bags are compressed into Super Bundles, 8 Master Bags per Super Bundle, for economical shipment and storage. Each individual size is color coded for identification. Super Bundles should be opened immediately upon receiving to ensure proper rebounding.

- Sleeved individual Master Bag 14” x 20” x 22” 8 lbs. ea
- Super Bundle 20” x 24” x 40” 69 lbs. ea



This picture clearly shows the two-stage compression packaging. The back row contains 8 full sized, uncompressed master bags approximately 17” in diameter by 31” tall. The middle row contains the same bags semi-compressed into a reinforced plastic sleeve about one half the original size. The compressed ‘Super Bundle’ in the foreground contains the 8 semi-compressed sleeved Master Bags further compressed to a size approximately 20” x 24” x 40”

9. Limitations

Whatever restriction the sealant manufacturer places on their product, the same will apply to **DENVER FOAM®**.

10. Availability and Cost

DENVER FOAM® is marketed nationally and internationally by select authorized distributors. For name, address and telephone number of your nearest distributor please contact us at: 800-595-2950 or sales@backerrod.com

11. Warranty

Unless otherwise agreed to in writing, **DENVER FOAM®** is sold without warranty, express or implied. Buyer must make their own determination as to the suitability of the product and application.

12. Technical Services

Please contact Backer Rod Mfg. Inc. for technical guidance, special project engineering designs and drawings.

