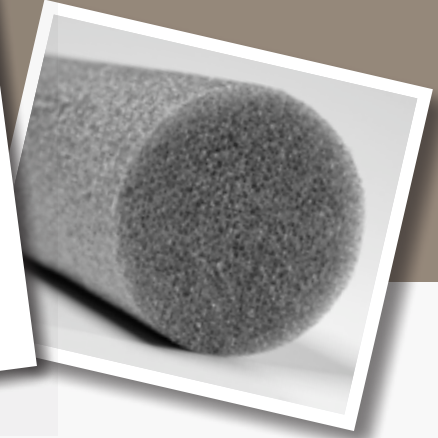


Closed-Cell Backer Rod



Product Name:
HBR®

Round, flexible, continuous lengths of extruded, closed-cell polyethylene foam backer rod for use as a backing material for elastomeric and other cold applied sealants.

Features

- Easy to apply
- Non-gassing
- Non-exuding
- Chemically inert
- Virtually dust-free
- Meets all of the requirements of the 1990 Clean Air Act
- Is a "Domestic End Product" as defined in the Buy American Act, Title 41 USC 10

| Physical Property Requirements | | |
|---|-----------------|----------------------|
| Property | Value | ASTM Test Methods |
| Density lb/ft ³ (kg/m ³), avg. | 1.3-2.3 (20-37) | D 1622 |
| Outgassing (No. of Bubbles) | > 1 | C 1253 |
| Compression Recovery, %, min | > 90 | D 5249 |
| Compression Deflection psi (kgf/cm ²) | 15 (1.05) | D 5249 |
| Tensile Strength psi (kgf/cm ²), min | 24 (1.69) | D 1623 |
| Water Absorption (g/cc) | < .03 | C 1016 - Procedure B |

Description

TYPE: C: - Per ASTM C 1330. Cylindrical, flexible sealant backings composed predominantly of closed cell material per ASTM C 1330 for use with cold applied sealants.
FORM: Round Foam Rod.
TEMPERATURE LIMITS: -45°F to +160°F.

Benefits

Backer rod limits the depth of the sealant and prevents excessive sealant use. It also helps sealant assume optimum shape factor to prolong sealant service life and acts as a barrier to the flow of sealant through the joint.

Applications

Common applications include, but are not limited to, expansion and contraction joints, curtain walls, construction partitions, parking decks and bridge construction.

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Closed-Cell Backer Rod

Product Name: HBR®

| Packaging Specs | | | | | | | |
|------------------|--------|------------|---------------|--------|-------------|---------|------------------|
| Dimension | | Unit | Length / Unit | | Unit Weight | | Unit Dimension |
| 1/4" | 6 mm | Spool | 6400' | 1951 m | 12 lbs. | 5.4 kg. | 18" x 18" x 31" |
| | | Handy Pack | 2500' | 762 m | 7 lbs. | 3 kg. | 15" x 15" x 18" |
| 3/8" | 10 mm | Spool | 3600' | 1097 m | 12 lbs. | 5.4 kg. | 18" x 18" x 31" |
| | | Handy Pack | 1400' | 427 m | 7 lbs. | 3 kg. | 15" x 15" x 18" |
| 1/2" | 13 mm | Spool | 2500' | 762 m | 12 lbs. | 5.4 kg. | 18" x 18" x 31" |
| | | Handy Pack | 800' | 244 m | 7 lbs. | 3 kg. | 15" x 15" x 18" |
| 5/8" | 16 mm | Spool | 1550' | 472 m | 12 lbs. | 5.4 kg. | 18" x 18" x 31" |
| | | Handy Pack | 550' | 168 m | 7 lbs. | 3 kg. | 15" x 15" x 18" |
| 3/4" | 19 mm | Spool | 1100' | 335 m | 12 lbs. | 5.4 kg. | 18" x 18" x 31" |
| | | Handy Pack | 400' | 122 m | 7 lbs. | 3 kg. | 15" x 15" x 18" |
| 7/8" | 22 mm | Spool | 850' | 259 m | 12 lbs. | 5.4 kg. | 18" x 18" x 31" |
| 1" | 25 mm | Spool | 550' | 168 m | 12 lbs. | 5.4 kg. | 18" x 18" x 31" |
| 1-1/4" | 32 mm | Spool | 400' | 122 m | 12 lbs. | 5.4 kg. | 18" x 18" x 31" |
| 1-1/2" | 38 mm | Cut Length | 550' | 168 m | 18 lbs. | 8 kg. | 23" x 13" x 75" |
| 2" | 51 mm | Cut Length | 360' | 110 m | 18 lbs. | 8 kg. | 23" x 13" x 75" |
| 2-1/2" | 63 mm | Cut Length | 240' | 73 m | 18 lbs. | 8 kg. | 23" x 13" x 75" |
| 3" | 76 mm | Cut Length | 144' | 44 m | 18 lbs. | 8 kg. | 23" x 13" x 75" |
| 4" | 102 mm | Cut Length | 90' | 27 m | 18 lbs. | 8 kg. | 23" x 13" x 75" |
| 6" | 152 mm | Cut Length | 72' | 22 m | 40 lbs. | 18 kg. | 25" x 12" x 112" |
| 1/4 Round | | | | | | | |
| 1/4" | 6 mm | Spool | 1100' | 335 m | 3 lbs. | 0 kg. | 15" x 15" x 18" |
| 3/8" | 10 mm | Spool | 1100' | 335 m | 3 lbs. | 0 kg. | 15" x 15" x 18" |
| 3/4" | 19 mm | Cut Length | 200' | 56 m | 13 lbs. | 0 kg. | 10" x 16" x 74" |
| 1" | 25 mm | Cut Length | 960' | 270 m | 15 lbs. | 0 kg. | 13" x 23" x 75" |
| 1-1/4" | 32 mm | Cut Length | 576' | 170 m | 18 lbs. | 0 kg. | 13" x 23" x 75" |
| 1-1/2" | 38 mm | Cut Length | 576' | 170 m | 18 lbs. | 0 kg. | 13" x 23" x 75" |
| 1/2 Round | | | | | | | |
| 1/2" | 13 mm | Spool | 1100' | 335 m | 5 lbs. | 0 kg. | 15" x 15" x 18" |
| 5/8" | 16 mm | Spool | 1100' | 335 m | 5 lbs. | 0 kg. | 15" x 15" x 18" |
| 3/4" | 19 mm | Spool | 800' | 244 m | 4 lbs. | 0 kg. | 15" x 15" x 18" |
| 1" | 25 mm | Spool | 450' | 137 m | 5 lbs. | 0 kg. | 15" x 15" x 18" |
| 1-1/4" | 32 mm | Spool | 400' | 122 m | 7 lbs. | 0 kg. | 15" x 15" x 18" |
| 1-1/2" | 38 mm | Cut Length | 1104' | 336 m | 16 lbs. | 0 kg. | 13" x 23" x 75" |
| 2" | 51 mm | Cut Length | 720' | 0 m | 16 lbs. | 0 kg. | 13" x 23" x 75" |
| 2-1/2" | 63 mm | Cut Length | 480' | 0 m | 16 lbs. | 0 kg. | 13" x 23" x 75" |

Joint Preparation and Installation

Just prior to placing the backer rod, clean all joints per the sealant manufacturer's recommendations. Thoroughly remove any concrete form-release agents, curing compound residue, laitance, or any foreign materials. To ensure a good sealant bond, joints must be clean and dry when the new sealant is installed. Air compressors used for this purpose must be equipped with traps for removal of oil and moisture. Install the backer rod at the depth recommended by the sealant manufacturer with a blunt tool.

Size Selection - Proper size selection is important as it controls the depth of the sealant bead. It must be oversized (25-50%) to fit tightly into the joint and function as a bondbreaker to prevent back-side adhesion of the sealant.

Compatibility - Closed-cell polyethylene is basically an inert material; and therefore, it is compatible, both physically and chemically, with virtually all known cold applied sealants including self-leveling types.

Precautions - Do not puncture, over compress or stretch backer rod during insertion. Do not use with hot applied sealants. Tests for outgassing of cold applied sealants shall be made in accordance with ASTM Test Method C 1253. Sealant compatibility should be confirmed by the sealant manufacturer. Compatibility characteristics of sealants in contact with sealant backings can be determined by ASTM Test Method C 1087.

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