



HOT Backer Rod

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

Features

- Easy to apply
- Chemically inert
- Waterproof
- 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 Properties

| 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 | > 96 | D 5249 |
| Compression Deflection psi (kPa) | 5.8 (39.9) | D 5249 |
| Tensile Strength psi (kPa) | 23.5 (162) | D 1623 |
| Water Absorption (g/cc) | < .03 | C 1016-Procedure B |
| Heat Resistance °F (°C) | 410°±5° (200°±2.8°) | D 5249 |

Description

Type: 1- Rounds of rods of various diameter intended for use with cold- and hot-applied sealants.

FORM: Round Foam Rod.

TEMPERATURE LIMITS: -45 Degree F to +410 Degree 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.

Joint Preparation & 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 recommend by the sealant manufacturer with 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 bond breaker to prevent back-side adhesion of the sealant.

Applications

Common applications include, but not limited to, expansion and contraction joints, curtain walls, construction partitions, parking decks and bridge construction where both cold- and hot-applied sealants are used.

Compatibility

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

Precautions

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

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