



OPEN Celled Backer Rod

Round, flexible, continuous lengths of open-celled polyurethane foam backer rod for use as a backing material for elastomeric and other cold-applied sealants.

Features

- Easy to apply
- Non-gassing
- 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.	1.7 (27)	D 1622
Outgassing (No. of Bubbles)	0	C 1253
Compression Recovery, %, min	>98	D 5249
Compression Deflection psi (kPa)	1.4 (9.4)	D 5249
Tensile Strength psi (kPa)	23.5 (162)	D 3575

Description

Type: O- Per ASTM C 1330 Cylindrical, flexible sealant backing composed of open-cell material.
 FORM: Round Foam Rod.
 TEMPERATURE LIMITS: -65 Degree F to +400 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, window glazing, curtain walls, construction partitions, parking decks and bridge construction.

Compatibility

Open-Cell Polyurethane foam 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

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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