

SEALANTS

CLOSED CELL BACKER ROD

PRODUCT NAME

Closed Cell Backer Rod

PRODUCT DESCRIPTION

**Type C:** Cylindrical, flexible sealant backings composed of predominantly closed cell material per ASTM C 1330. 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.

**Form:** Round Foam Rod

FEATURES/BENEFITS

- 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.
- Easy to apply.
- Chemically inert.
- Virtually dust free.

Limits depth of the sealant, prevents excessive sealant use. Helps sealant assume optimum shape factor to prolong sealant service life. Prevents bottom-side adhesion of the sealant.

APPLICATIONS

Closed Cell Backer Rod is commonly used in expansion and contraction joints where cold applied sealants are used, such as curtain walls, construction partitions, precast assemblies and copings, parking decks, bridge construction, building rehabilitations and more.

SIZE SELECTION

Proper size selection is important, as it controls the depth of the sealant bead. It must be oversized (20-50%) to fit tightly into the joint, and function as a bondbreaker to prevent bottom-side adhesion of the sealant.

JOINT PREPARATION

PAVEMENTS

New joints must be cleaned thoroughly, removing 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. In repairing old joints, all old sealant or filler must be removed. This can be done by cutting or blowing out the old material or using any other procedure found to be effective.

INSTALLATION AND SEALANT PLACEMENT BUILDINGS

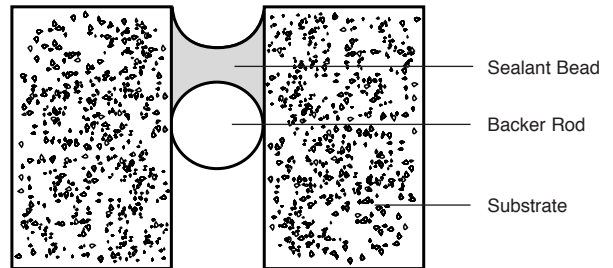
Just prior to placing the backer rod, clean all joints per the sealant manufacturer's recommendations. Air compressors used for this purpose must be equipped with traps for removal of oil and moisture. Install the backer rod at the depth recommended by the sealant manufacturer with a blunt tool or roller, such as, CRL Cat. No. SBRR. Refer to sealant manufacturer's recommendations.

TABLE 1 - PHYSICAL PROPERTIES

Property/Test Methods	Value
Water Absorption (ASTM C1016-Procedure B) . . . . .	<0.03 (g/cc)
Density (ASTM D 1622) . . . . .	1.3-2.3 (lb/ft <sup>3</sup> ) 20-37 (kg/m <sup>3</sup> ) avg.
Outgassing (ASTM C 1253) . . . . .	>1 (No. of bubbles)
Compression Recovery (ASTM D 5249) . . . . .	>96 % min
Compression Deflection (ASTM D 5249) . . . . .	.5.5 (psi) 38.2 (kPa)
Tensile Strength (ASTM D 3575) . . . . .	.26.7 (psi) 184 (kPa)

PRODUCT PACKAGING INFORMATION

Nominal Diameter	Joint Dimension	Linear Ft/ Carton	Weight/ Carton
1/4" (6 mm)	3/16" (5 mm) or less	6400 ft (1951 m)	12 lbs (5.4 kg)
3/8" (10 mm)	1/4" (6 mm)	3600 ft (1097 m)	12 lbs (5.4 kg)
1/2" (13 mm)	3/8" (10 mm)	2500 ft (762 m)	12 lbs (5.4 kg)
5/8" (16 mm)	1/2" (13 mm)	1550 ft (472 m)	12 lbs (5.4 kg)
3/4" (19 mm)	5/8" (16 mm)	1100 ft (335 m)	12 lbs (5.4 kg)
7/8" (22 mm)	11/16" (18 mm)	850 ft (259 m)	12 lbs (5.4 kg)
1" (25 mm)	3/4" (19 mm)	550 ft (168 m)	12 lbs (5.4 kg)
1-1/4" (32 mm)	7/8" (22 mm)	400 ft (122 m)	12 lbs (5.4 kg)
1-1/2" (38 mm)	1-1/8" (29 mm)	552 ft (166 m)	18 lbs (8 kg)
2" (51 mm)	1-5/8" (41 mm)	360 ft (110 m)	18 lbs (8 kg)



Closed Cell Backer Rod is used in expansion joints and similar applications

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**PRECAUTIONS AND COMPATIBILITY**

Do not puncture, over compress or stretch Closed Cell Backer Rod® during insertion. Do not use with hot applied sealants. Tests for out-gassing of cold applied sealants shall be made in accordance with ASTM Test Method C 1253. Closed-cell polyethylene foam is an inert material; and therefore, it is compatible, both physically and chemically, with virtually all known cold applied sealants including self-leveling types. However, 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.

**TECHNICAL SERVICE**

Complete technical information and literature is available from C.R. Laurence Co., Inc. Any technical advice furnished by the company or any representative of the company concerning any use or application of any sealant is believed to be reliable, but the company makes no warranty, expressed or implied, for any use or application for which such advice is furnished.

**WARRANTY STATEMENT**

Although every effort has been made to assure the accuracy of this information and the safety and suitability of its products, CRL accepts no responsibility for results obtained by the application of this information or for the safety and suitability of its products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. In view of the various conditions under which this information and our products or the products of other manufacturers in combination with our products may be used, CRL sells its products without warranty, and buyers and users assume all responsibility and liability for loss or damage from the handling and use of these products, whether used alone or in combination with other products.



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