

SPECIFICATION SHEET

Soft Type Backer Rod

PRODUCT DESCRIPTION

Alcot Plastics Soft Type Backer Rod is a soft, non-gassing, pliable, bi-cellular backup material for construction joints and applications that require sealants. It performs as a depth control for most known cold applied sealants and also helps sealant to assume the optimum hour-glass shape. Sealants will not adhere to it; no bond breaker is required.

COMPOSITION AND MATERIALS

Alcot Plastics Backer Rod is a round, black, extruded bi-cellular polyethylene backer rod with a water resistant outer skin. It is compatible with most known cold applied sealants such as urethane, silicone, acrylic, butyl, polysulfides, latex, and chinking sealants.

SPECIFIC USES INCLUDE

Especially suited for applications with irregular and varying joint widths where standard closed cell backer rods are not appropriate and where bubbling concerns are critical. May also be used in place of standard closed-cell backer rod in most applications.

Common applications include expansion and contraction joints, window glazing, curtain wall construction partitions, parking decks, bridge and highway construction pavement maintenance, and log home chinking.

INSTALLATION

Joint or opening must be free of all contaminants (including curing compounds and form-release agents), loose materials, dry and free of frost. Install between 25% - 50% compression. With a blunt instrument or roller, seat the Backer Rod to a depth recommended by sealant manufacturer.

LIMITATIONS

Do not use with hot-applied sealants. Sealant compatibility should be confirmed by the sealant manufacturer. Backer Rods should be installed with a roller or blunt, flat-sided tool. Avoid puncturing, stretching and over compression.

Temperature Limits: -90°F to 190°F



SOFT TYPE BACKER ROD SPECIFICATIONS

PACKAGING

Alcot Plastics Backer Rod is available in a wide variety of diameters and comes in 3 carton sizes. Please refer to the following chart for details on packaging.

| DIAMETER | CARTON SIZE | DETAILS | RECOMMENDED JOINT WIDTH |
|----------------|---------------------|--------------------------------|-------------------------|
| 3/8" (10 mm) | 18.5" x 18.5" x 15" | 2,100'/Carton, 2 spools/Carton | 3/16" - 1/4" |
| 5/8" (16 mm) | 19" x 19" x 30" | 1,550'/Carton, 2 spools/Carton | 3/8" - 1/2" |
| 7/8" (22 mm) | 19" x 19" x 30" | 850'/Carton, 1 spool/Carton | 1/2" - 3/4" |
| 1 1/8" (29 mm) | 19" x 19" x 30" | 500'/Carton, 1 spool/Carton | 3/8" - 7/8" |
| 1 1/2" (38 mm) | 13.5" x 13.5" x 73" | 396'/Carton, 6' pieces | 7/8" - 1 1/4" |
| 2" (51 mm) | 13.5" x 13.5" x 73" | 228'/Carton, 6' pieces | 1 1/4" - 1 1/2" |
| 2 1/2" (63 mm) | 13.5" x 13.5" x 73" | 144'/Carton, 6' pieces | 1 1/2" - 2" |
| 3" (76 mm) | 13.5" x 13.5" x 73" | 102'/Carton, 6' pieces | 2" - 2 1/2" |
| 4" (102 mm) | 13.5" x 13.5" x 73" | 54'/Carton, 6' pieces | 2 1/2" - 3" |

TECHNICAL DATA

The Backer Rod is chemically inert and will resist gasoline, oil, and most solvents. Product will not stain or adhere to sealants.

PHYSICAL PROPERTIES

| PROPERTY | VALUE | ASTM TEST METHOD |
|--|-------------------------------|----------------------|
| Density: | 1.6 - 2.0 lbs/ft ³ | D 1622 |
| Outgassing (Number of Bubbles): | 0 | C 1253 |
| Compression Recovery: | > 97% | D 5249 |
| Water Absorption: | < 0.03 grams/cc | C 1016 - Procedure B |
| Tensile Strength: | > 25 - 50 psi | D 1623 |

Meets standards ASTM D5249 type 3 and ASTM C1330 type C

WARRANTY

Product is sold without warranty. In no case will Richelieu be liable for incidental or consequential damages on the product. Buyer must make their own determination as to the suitability of the product and application.