

## **Specification Sheet: Backer Rod**

### **Manufacturer.:**

Alcot Plastics Ltd.  
31 Malcolm Rd., PO Box 31036  
Guelph, ON N1H 8K1  
CANADA  
tel: 519-767-2899  
fax: 519-767-1093  
[www.alcotplastics.com](http://www.alcotplastics.com)

### **Product Description:**

Alcot Plastics Backer Rod is a closed cell, resilient, polyethylene backer rod used as a backup material for construction joints and applications that require sealants. It performs as a depth control for most known cold applied sealants. Sealants will not adhere to it; no bond breaker is required.

### **Composition and Materials:**

Alcot Plastics Backer Rod is a round, black, resilient, extruded closed cell 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:*

- Expansion joints
- Highway joints
- Glazing
- Log home chinking
- Parking Decks
- Curtain Walls
- Coping joints
- Isolation joints
- Temporary joint seal

### **Limitations:**

Alcot Plastics Backer Rod should be installed with a roller or blunt, flat-sided tool. Please follow sealant manufacturer specifications for recommended sealant width and depth ratio. For best results, do not puncture, fold or overly stretch the product. The product is made with a water-resistant outer skin, therefore where moisture resistance is important, care should be taken not to puncture this outer surface skin.

### **Packaging:**

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

Diameter	Carton Size	Details	Recommended Joint Width
1/4" (6mm)	18.5" x 18.5" x 15	4,000'/Carton, 2 spools/Carton	3/16" or less (5mm or less)
3/8" (10mm)	18.5" x 18.5" x 15	2,100'/Carton, 2 spools/Carton	1/4" (6mm)
1/2" (13mm)	19" x 19" x 30"	2,500'/Carton, 2 spools/Carton	3/8" (10mm)
5/8" (16mm)	19" x 19" x 30"	1,550'/Carton, 2 spools/Carton	1/2" (13 mm)
3/4" (19mm)	19" x 19" x 30"	1,100'/Carton, 2 spools/Carton	5/8" (16mm)
7/8" (22 mm)	19" x 19" x 30"	850'/Carton, 1 spool/Carton	11/16" (18mm)
1" (25 mm)	19" x 19" x 30"	600'/Carton, 1 spool/Carton	3/4" (19mm)
1 1/4" (32mm)	19" x 19" x 30"	400'/Carton, 1 spool/Carton	7/8" (22 mm)
1 1/2" (38mm)	13.5" x 13.5" x 73"	6' pieces, 70 pieces/Carton	1 1/8" (29mm)
2" (51 mm)	13.5" x 13.5" x 73"	6' pieces, 42 pieces/Carton	1 5/8" (41mm)
2 1/2" (63mm)	13.5" x 13.5" x 73"	6' pieces, 27 pieces/Carton	2" (51mm)
3" (76mm)	13.5" x 13.5" x 73"	6' pieces, 17 pieces/Carton	2 1/2" (64mm)
4" (102mm)	13.5" x 13.5" x 73"	6' pieces, 9 pieces/Carton	3" (76 mm)

**Installation:**

Joint or opening must be free of all contaminants, loose materials, dry and free of frost. Select correct rod size for joint width. With a blunt instrument or roller, seat Backer Rod to depth recommended by sealant manufacturer.

**Technical Data:**

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

Density: 1.3-1.9 lbs/ft<sup>3</sup>

Water Absorption: less than 0.5% by volume  
< 0.03 grams/cc

Temperature range: -90°F to 190°F

Compression Recovery: > 90%

Compression Deflection: 5 psi

Tensile Strength: > 29 psi

Meets standards ASTM D5249 type 3 and ASTM C1330 type C

**Warranty:**

Product is sold without warranty. In no case will Alcot Plastics be liable for incidental or consequential damages on the product.