

FillPro™ Hot Rod XL

Crosslinked Closed Cell Polyethylene Foam Backer Rod



FillPro Hot Rod XL Backer Rod (formerly ITP Hot Rod XL) is an extruded round, closed cell, low-density polyethylene foam material which has been specially crosslinked to withstand temperatures in excess of 400°F (204°C). It is chemically inert and will resist oil, gasoline and most other solvents. The material will not stain, absorb moisture, nor adhere to sealant materials and is non-exuding.

APPLICATIONS

FillPro Hot Rod XL backer Rod is a backup material for most hot-pour sealants used to fill contraction and expansion joints of concrete highways, runways, driveways, and parking lots.

BENEFITS

FillPro Hot Rod XL is an ideal non-absorbent backer rod used to control high temperature sealant depth and create a back stop to allow proper wetting of the joint surfaces and yield a proper bond breaker between the backer rod and the sealant. Limiting the depth of the sealant prevents excessive use, saving on caulk or sealant. Hot Rod XL backer rod can also be used as a temporary joint seal.

INSTALLATION

The joint depth must be great enough to allow for the proper installation of the Hot Rod XL bond breaker and hot pour sealant. The joint width will be determined by the appropriate thermal expansion coefficient as released to anticipated temperature variances. Joint walls must be smooth, even and be free of any loose residues or foreign materials. Joints should also be dry and frost-free. Using Proper Sizing Chart on reverse side, select the proper rod diameter and cut length or use directly from spool. With a correctly-sized rubber tool, blunt instrument or by hand, install rod at the level recommended by the sealant manufacturer, specifier or government agency involved.

Features:

- Closed-cell, non-absorbent
- Chemically inert
- Resistant to oil, gas and other solvents
- Use with hot pour sealants up to 400°F (204°C)
- Made in Canada

Compatible With:

- Most rubber-asphalt and coal tar-rubber polymer thermoplastic compounds

Stocked Options:

- Available in beige in a wide variety of diameters (See reverse side)

Technical Data: FillPro™ Hot Rod XL Backer Rod (Formerly ITP Hot Rod XL)

Description: Flexible beige, closed-cell crosslinked polyethylene foam backer rod in continuous coils and 6 foot lengths.

Typical Properties

Property	Value	Test Methods
Density (nominal)	1.5 - 2.5 lbs/cu.ft	ASTM D1622
Outgassing (# of bubbles)	> 1	ASTM C1253
Tensile Strength psi (kPa)	16 PSI minimum	ASTM D1623
Compression Recovery, %, min	> 96	ASTM D5249
Compression Deflection psi (kPa)	5.8 (39.9)	ASTM D5249
Water Absorption	0.03 gm/cc	²ASTM C1016
*Temperature (maximum)	392°F	ASTM D5249

*A well-known and widely employed rubber asphalt sealing compound was employed at various temperatures between 390°F and 410°F

Sizes

Diameter	Shipping Format	Feet per Carton	Metric Diameter	Meters per Carton
3/8"	1 Spool	2100	9 mm	640
1/2"	2 Spools	2500	12 mm	762
5/8"	2 Spools	1550	15 mm	472
3/4"	1 Spool	1100	19 mm	335
7/8"	1 Spool	850	22 mm	259
1"	1 Spool	600	25 mm	182
1-1/4"	1 Spool	400	31 mm	121
1-1/2"	6' Lengths	396	38 mm	121
2"	6' Lengths	228	50 mm	70

Carton Sizes & Weights

Rod Diameter	Weight / Carton	Carton Measurement
3/8" 9 mm	6 lbs 2.7 kgs	18" x 18" x 15" 457 mm x 457 mm x 381 mm
1/2" - 1-1/4" 12 mm to 31 mm	11 lbs 5 kgs	18" x 18" x 30" 457 mm x 457 mm x 762 mm
1-1/2" - 2" 38 mm to 50 mm	14 lbs 6.4 kgs	17" x 10" x 74" 432 mm x 254 mm x 1880 mm

Proper Sizing Chart (Size to Joint Width)

Joint Width	Use Rod Diameter
3/16" - 1/4"	3/8"
1/4" - 3/8"	1/2"
3/8" - 1/2"	5/8"
5/8" - 3/4"	7/8"
3/4" - 7/8"	1"
7/8" - 1"	1-1/4"
1" - 1-1/4"	1-1/2"
1-1/4" - 1-1/2"	2"

Shipping Information

- Rectangular cartons with convenient hand holes for carrying, are ideal for warehousing and handling.
- Express services will accept all cartons for reshipment.
- Truckload quantities furnished on pallets and may be warehoused 2 pallets high to maximize space.

For metric joint widths under 25 mm, it is recommended that Backer Rod be at least 3 mm larger.

For metric joint width above 25 mm, it is recommended the Backer Rod diameter be between 6mm and 13 mm larger.



Armacell Canada Inc.

153 Van Kirk Drive
Brampton, ON L7A 1A4
TOLL FREE: 800-387-3847 ext. 161401
TEL: 905.846.3666
Fax: 905.846.0363

Web: www.tundrafoam.com | www.armacell.us

Armacell provides this information as a technical service. To the extent the information is derived from sources other than Armacell, Armacell is substantially, if not wholly, relying upon the other source(s) to provide accurate information. Information provided as a result of Armacell's own technical analysis and testing is accurate to the extent of our knowledge and ability, as of date of printing, using effective standardized methods and procedures. Each user of these products, or information, should perform their own tests to determine the safety, fitness and suitability of the products, or combination of products, for any foreseeable purposes, applications and uses by the user and by any third party to which the user may convey the products. Since Armacell cannot control the end use of this product, Armacell does not guarantee that the user will obtain the same results as published in this document. The data and information are provided as a technical service and are subject to change without notice.