

# Hot Rod XL

## Crosslinked Closed Cell Polyethylene Backer Rod for Hot Sealant Applications

### Basic Use:

Hot Rod XL is an ideal non-absorbent compressible backup material inserted into a joint to control sealant depth, create a backstop to:

- Allow proper sealant tooling
- Allow proper sealant wetting of the joint surfaces
- And yield proper bond breaker between the backup material and the sealant.

It can also be used as a temporary joint seal.

### Specific Uses:

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

### Compatibility:

Hot Rod XL is compatible with most rubber-asphalt and coal tar-rubber polymer thermoplastic compounds.

### Composition and Material:

Hot Rod XL is an extruded round, closed cell, low-density polyethylene foam material which has been specifically crosslinked to withstand temperatures in excess of 400°F. This material is available in beige only and in a wide variety of diameters.

### Technical Data:

Hot Rod XL is chemically inert and will resist oil, gasoline, and most other solvents. This material will not stain, soak up moisture, nor adhere to sealant materials and is non-exuding.

### 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 related to anticipated temperature variances. Joint walls must be as smooth and as even as possible and be free of any loose residues or foreign materials. Joints should also be dry and frost-free. Using the "Size-To-Joint Width" table to the right, select the proper rod diameter and cut to length or use directly from spool. With a sized rubber tool, blunt instrument or by hand, install rod at the level recommended by the sealant manufacturer, specifier, or governmental agency involved.

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

• Rectangular cartons are ideal for warehousing and handling.  
 • All cartons have convenient hand holes for carrying ease.  
 • Pallets may be double-stacked for warehousing efficiency.  
 • UPS and most other package express services will accept cartons for reshipment.

Physical Property Analysis		
Property	Value	Test Method
Density (Nominal)	2 lbs/cu. Ft.	ASTM-D-1622
Tensile Strength	31.4 PSI	ASTM-D-1623
Compression	4.7 PSI @ 25%	ASTM-D-1621
Water Absorption <sup>2</sup>	0.03 gm/cc	ASTM-C-1016
Water Absorption <sup>3</sup>	0.02% by volume	ASTM-C-509
*Temperature (maximum)	410°F	No melting of Rod
*A well known and widely employed rubber asphalt sealing compound was employed at various temps between 390°F and 410°F.		
Water Absorption <sup>2</sup> : Determination of water absorption by sealant (joint filler) materials.		
Water Absorption <sup>3</sup> : Standard specification for cellular elastomeric preformed gasket and sealing material.		

Size-to-Joint Width	
Joint Width	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"

For metric joint widths under 25mm, it is recommended the Backer Rod be at least 3mm larger. For metric joint width above 25mm, it is recommended the Backer Rod diameter be between 6mm and 13mm larger.