

FillPro™ Hot Rod XL

Crosslinked Closed Cell Polyethylene Backer Rod for Hot Sealant Applications

Basic Use:

FillPro™ 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 a proper bond break between backup material and 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-extruding.

Hot Rod XL meets or exceeds the requirements of ASTM-D-5249 Type I.

Installation:

Joint or opening must be clean, dry, and free of obstructions. Using the "Size-to-Joint Width" table, select proper rod diameter and cut to length or use directly from spool. With a blunt instrument or roller, uniformly install rod at the level recommended by the sealant manufacturer, specifier, or architect involved. Generally, the depth of the joint after the backer rod is installed is one half the width. Very large or very small joints vary in terms of this depth to width ratio. Avoid puncturing, stretching, or over compression.

Physical Property Analysis		
Property	Value	Test Method
Density (Nominal)	1.5 – 2.5 lbs/cu. Ft.	ASTM-D-1622
Out-Gassing (# of bubbles)	>1	ASTM-C 1253
Tensile Strength	16 PSI minimum	ASTM-D-1623
Compression Recovery, % Min	> 96	ASTM D 5249 Type I
Compression Deflection PSI (kPa)	5.8 PSI (39.9)	ASTM-D-5249 Type I
Water Absorption	0.03 gm/cc	ASTM-C-1016
*Temperature Range (maximum)	392°F	ASTM D-5249 Type I & Type II
Classification	Type 1	ASTM-D-5249
<small>* A well known and widely employed rubber asphalt sealing compound was employed at various temps between 390°F and 410°F</small>		

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"



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