

# ITP Standard Backer Rod

TECHNICAL  
DATA FORM  
101

Closed Cell Polyethylene Foam

## Basic Use

ITP Standard Backer Rod is an ideal non-absorbent compressible backup material. It is inserted into a joint to control sealant depth to 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.
- Limits the depth of the sealant and prevents excessive use.

Can also be used as a temporary joint seal.

## Specific Uses

Commonly used in glazing installations, windows and door applications, expansion joints, curtain wall joints, partitions, log construction, pavement joints, repairs, pre-cast units and copings.

## Compatibility

ITP Standard Backer Rod is compatible with butyl, polysulfide, acrylic polyurethane, silicone and most other cold applied sealants.

## Composition and Materials

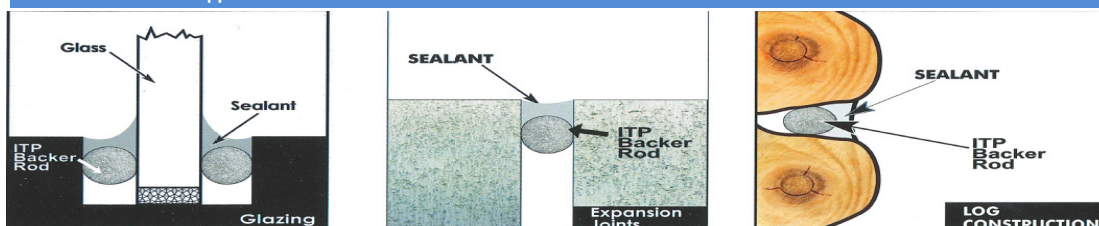
ITP Standard Backer Rod is an extruded round, closed cell, low density polyethylene foam material with a skin-like outer texture. It is highly flexible and compressible for easy installation. Available in stock grey and white in larger sizes. Available in a wide variety of diameters. (See table 1)

Table 1: Stock Sizes Available

Diameter	Shipping Format	Feet per Carton	Metric Diameter	Meters per Carton
*1/4"	2 Spools	4000	6 mm	1219
*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
2-1/2"	6' Lengths	144	63 mm	44
3"	6' Lengths	102	76 mm	31
4"	6' Lengths	48	101 mm	15
5"	6' Lengths	90	127 mm	27
6"	6' Lengths	60	152 mm	18

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

### Standard Backer Rod Applications



## Technical Data

ITP Standard Backer Rod is chemically inert and will resist oil, gasoline and most other solvents. This material will not stain or adhere to sealant materials and is non-exuding. (Refer to table 2 for Physical Properties) **Type C per ASTM C1330**

## Installation

Joint or opening must be clean, dry and free of obstructions. Using Table 3 select the 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 and very small joints vary in terms of this depth ratio. **DO NOT PUNCTURE, STRETCH OR OVER COMPRESS**

## Purchasing and Pricing

ITP Standard Rod Backer Rod is widely available throughout the United States and Canada. Please contact Industrial Thermo Polymers for the name and address of your local distributor.

## Technical Assistance

ITP has qualified representatives available to assist users of the various Backer Rod materials referenced herein. Please contact your local distributor or ITP should any assistance be required.

## Purchasing Advantage

ITP offers the widest product range of any North American manufacturer (see Table 4). For prompt delivery, top service for all your backer rod needs contact ITP today!

**Table 2: Physical Property Analysis**

Property	Value	Test Method
Density (nominal)	> 1.5	ASTM D1622
Outgassing (# of bubbles)	> 1	C1253
Tensile Strength psi (kPa)	> 24	ASTM D1623
Compression Deflection @ 25%	7 PSI maximum	ASTM D5249
Water Absorption	0.03 gm/cc	<sup>2</sup> ASTM C1016
Compression Recovery, % min	> 96	ASTM D5249
Temperature Range	-90°F to 210°F	-
Classification	Type 3	ASTM D5249

### <sup>2</sup>Procedure B

**Table 4: Carton Sizes & Weights**

Rod Diameter	Weight / Carton	Carton Measurement
1/4" - 3/8" 6mm to 9mm	6 lbs 2.7 kgs	18" x 18" x 15" 457mm x 457mm x 381mm
1/2" - 1 1/4" 12mm to 31mm	11 lbs 5 kgs	18" x 18" x 30" 457mm x 457mm x 762mm
1 1/2" - 4" 38mm to 101mm	14 lbs 6.4 kgs	17" x 10" x 74" 432mm x 254mm x 1880mm
5" - 6" 127mm to 152mm	35 lbs 15.9 kgs	17" x 23" x 74" 432mm x 584mm x 1880mm

## GUARANTEE / WARRANTY

Armaceil Canada Inc. believes the information and recommendations herein to be accurate and reliable and the products are reasonably fit for the application mentioned. However, as uses, conditions and application methods are not within our control, ITP does not guarantee nor warrant these products nor results from the use of these products or information given. It is therefore the responsibility of the buyer to determine the suitability of these products in applications intended and determine the appropriateness of the product. Size and Lengths per spool are those at times of packaging and may vary with climatic condition after manufacture.

**Table 3: Standard Backer Rod  
Size to Joint Width**

Joint Width	Diameter
1/8" - 3/16"	1/4"
3/16" - 1/4"	3/8"
1/4" - 3/8"	1/2"
3/8" - 1/2"	5/8"
1/2" - 5/8"	3/4"
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"
1 1/2" - 2"	2 1/2"
2" - 2 1/2"	3"
2 1/2" - 3"	4"
3" - 4 3/4"	5"
4 3/4" - 5 3/4"	6"

## Other ITP Backup Materials

Soft Type Bicellular Polyethylene Foam Backer Rod  
Tundra Foam Open Cell Polyurethane Foam in black  
Hot Rod XL (Hot Pour) Closed Cell Backer Rod  
Bagged Backer Rod in Standard and Soft Type  
Pony Paks Spool-less boxes of Standard and Soft Type Backer Rods

Also available from Industrial Thermo Polymers

Pipe Insulation | Noodles (water toys) | Custom Profiles

Industrial Thermo Polymers

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