

# ITP STANDARD BACKER ROD

## CLOSED CELL POLYETHYLENE FOAM

### MANUFACTURER — Industrial Thermo Polymers Ltd.

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### PRODUCT DESCRIPTION

**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 backstop to:

- Allow proper sealant tooling
- Allow proper sealant wetting of the joint surfaces
- And yield a proper bond breaker between the Backer Rod and sealant

It can also be used as a temporary seal.

**Compatibility:** ITP Standard Backer Rod is compatible with butyl, polysulfide, acrylic polyurethane, silicone and most other cold applied sealant compositions.

**Specific Uses:** Commonly used in glazing installations, window and door applications, expansion joints, curtain wall joints, partitions, log construction, pavement joints, repairs, precast units and copings.

**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 several other colors on a custom basis. Available in a wide variety of diameters. (See Table 1)

TABLE I

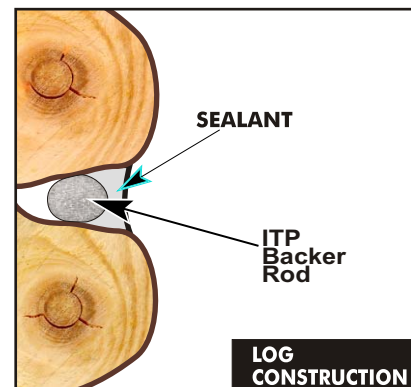
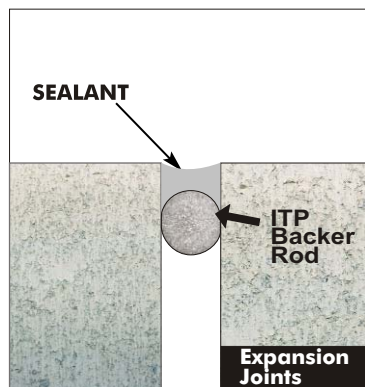
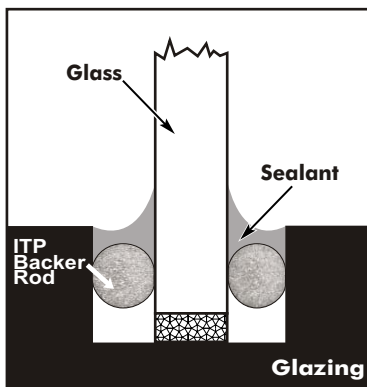
### STOCK SIZES AVAILABLE

| DIAMETER | SHIPPING FORMAT | FEET PER CARTON | METRIC DIAMETER | METERS PER CARTON |
|----------|-----------------|-----------------|-----------------|-------------------|
| *1/4"    | 2 Spools        | 4000            | 6mm             | 1219              |
| *3/8"    | 2 Spools        | 2100            | 9mm             | 640               |
| 1/2"     | 2 Spools        | 2500            | 12mm            | 762               |
| 5/8"     | 2 Spools        | 1550            | 15mm            | 472               |
| 3/4"     | 2 Spools        | 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      | 420             | 38mm            | 128               |
| 2"       | 6' Lengths      | 240             | 50mm            | 73                |
| 2 1/2"   | 6' Lengths      | 156             | 63mm            | 48                |
| 3"       | 6' Lengths      | 102             | 76mm            | 31                |
| 4"       | 6' Lengths      | 48              | 101mm           | 15                |
| 5"       | 6' Lengths      | 90              | 127mm           | 27                |
| 6"       | 6' Lengths      | 60              | 152mm           | 18                |

- Sizes 2 1/2" to 6" are available in white only
- Rectangular cartons with convenient hand holes for carrying are ideal for warehousing and handling
- UPS and most other package express services will accept all cartons except 5" and 6" for reshipment
- Truckload quantities furnished on pallets and may be warehoused two pallets high to maximize space

\*Minimum 2 carton purchase for Baby Backer Rod Carton (sizes 1/4" and 3/8")

### Common Applications of ITP Standard Backer Rod



## TECHNICAL DATA

ITP Standard Backer Rod is chemically inert and will resist oil, gasoline and most other solvents. This material will not stain nor adhere to sealant materials and is non-exuding. (Refer to Table II for typical physical properties)

## INSTALLATION

Joint or opening must be clean, dry and free of obstructions. Using Table III 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 and very small joints vary in terms of this depth to width ratio. DO NOT PUNCTURE, STRETCH OR OVERLY COMPRESS.

## PURCHASING AND PRICING

ITP Standard Backer Rod is widely available throughout the United States and Canada. Please contact Industrial Thermo Polymers Ltd. at 1-800-387-3847 for the name and address of your local distributor. This source will provide you with samples and pricing information as required.

## TECHNICAL ASSISTANCE

Industrial Thermo Polymers Ltd. has qualified representatives available to assist users of the various backer rod materials referenced herein. Please contact your local ITP distributor should assistance be required.

## PURCHASING ADVANTAGE

- North America's first full line / full service Backer Rod supply source
- One stop shopping for all your Backer Rod requirements

TABLE II

### PHYSICAL PROPERTY ANALYSIS

| PROPERTY                      | VALUE           | TEST METHOD |
|-------------------------------|-----------------|-------------|
| Density (nominal)             | 2.0 lbs/cu. ft. | ASTM-D-1622 |
| Tensile Strength              | 50 PSI          | ASTM-D-1623 |
| Compression Deflection        | 5 PSI @ 25%     | ASTM-D-1621 |
| Water Absorption <sup>1</sup> | 0.03 gm/cc      | ASTM-C-1016 |
| Water Absorption <sup>2</sup> | 0.02% by volume | ASTM-C-509  |
| Temperature Range             | -90°F to 210°F  |             |

Water Absorption<sup>1</sup> "Determination of water absorption by sealant (joint filler) materials"

Water Absorption<sup>2</sup> "Standard specifications for cellular elastomeric preformed gasket and sealing material. Historic standard no longer applicable to Backer Rod."

TABLE III

### ITP ROD SIZE TO JOINT WIDTH

| Joint Width     | Rod 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 ALSO AVAILABLE

- **TUNDRA FOAM** Open Cell Backer Rod in black and yellow. Sizes 3/8" to 2"
- **HOT ROD XL** (Hot Pour) Closed Cell Backer Rod. Sizes 3/8" to 2"
- **SOFT-TYPE** Backer Rod Soft, pliable, and joint forming. Sizes 3/8" to 4"
- **Polybags**--Standard and Soft Type Backer Rod
- **Pony Packs**--Spool-less boxes of Standard and Soft Type Backer Rod

TABLE IV

### CARTON SIZES AND WEIGHTS

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

### ALSO AVAILABLE FROM INDUSTRIAL THERMO POLYMERS

PIPE INSULATION

POOL NOODLES (WATER TOYS)

CUSTOM PROFILES

® REGISTERED TRADEMARKS OF INDUSTRIAL THERMO POLYMERS LTD.

### GUARANTEE / WARRANTY

Industrial Thermo Polymers Limited believes the information and recommendations herein to be accurate and reliable and the products are reasonably fit for the applications 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 products. Sizes and Lengths per spool are those at times of packaging and may vary with climatic conditions after manufacture.