

ITP SOFT TYPE BACKER ROD

TECHNICAL DATA FORM 104

JOINT FORMING, PLIABLE, SOFT NON-GASSING,
POLYETHYLENE FOAM BACKER ROD

MANUFACTURER — Industrial Thermo Polymers Ltd.

CANADA

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PRODUCT DESCRIPTION

Basic Use: ITP Soft Type Backer Rod is a soft, pliable, non-gassing backup material inserted into an expansion or contraction joint to:

- Control sealant depth;
- Create a backstop to allow proper sealant tooling;
- Ensure sealant adhesion to joint surfaces only;
- And yield a proper break between backup material and sealant.

It can also be used as a temporary joint seal.

Specific Uses: Particularly suited for specialty applications where standard Backer Rods are not appropriate. Ideal in irregular joint applications particularly where self-leveling, flowable sealants are employed. Also recommended with sealants where bubbling concerns are critical. May also be used in place of most standard backer rod applications. (See Illustration below)

Compatibility: ITP Soft Type Backer Rod is virtually an inert composition and therefore compatible with all known cold applied sealants including butyl, polysulfide, acrylic, polyurethane and silicone.

Composition and Material: ITP Soft Type Backer Rod Insulation is an extruded round, dust free, polyethylene-based foam material with a skin-like outer texture. It is highly flexible, pliable and compressible for easy installation. It is available in a medium-grey for easy identification and several other colors on a custom basis.

TABLE I

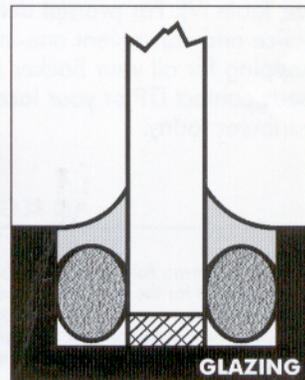
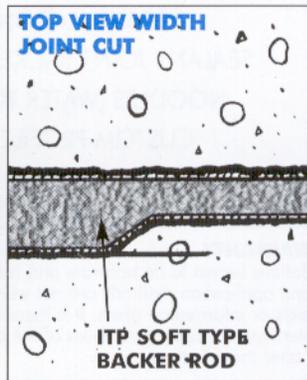
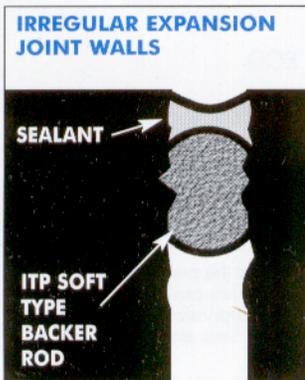
STOCK SIZES AVAILABLE

Rod Diameter	Feet / Carton	Metric Size	Meters / Carton
**3/8"	2100	9mm	640
*5/8"	1550	15mm	472
7/8"	850	22mm	259
1-1/8"	500	28mm	152
1-1/2"	420	38mm	128
2"	240	50mm	73
2-1/2"	156	63mm	48
3"	102	76mm	31
4"	48	101mm	15

ITP Soft Type Backer Rod Sizes 1-1/2" (38mm) to 4" (101mm) are furnished in easy to handle 6 ft. (1.83m) lengths. Rectangular cartons are ideal for warehousing and handling. All have convenient hand holes for carrying ease. UPS and most other package express services will accept all cartons for re-shipment. Truckload quantities furnished on pallets and may be warehoused two pallets high to maximize space.

**Baby Backer Rod Carton - Minimum 2 carton purchase.
*Available 2 spools per carton.

SPECIALTY APPLICATIONS FOR ITP SOFT TYPE BACKER ROD INSULATION



TECHNICAL DATA

ITP Soft Type 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 or very small joints vary in terms of this depth to width ratio. Avoid puncturing, stretching or over compression.

OUTGASSING

One of the unique characteristics of ITP Soft Type Backer Rod is that outgassing is minimized. However, care should be taken not to puncture this type of rod, particularly in the presence of water — which collects in this backer rod when punctured.

PURCHASING AND PRICING

ITP Soft Type Backer Rod is widely available throughout the United States and Canada. Please contact Industrial Thermo Polymers Ltd. 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

ITP offers the widest product range of any North American manufacturer (see Table IV). For prompt delivery, top service and convenient one-stop shopping for all your Backer Rod needs contact ITP or your local ITP distributor today.

TABLE II

* PHYSICAL PROPERTY ANALYSIS

PROPERTY	VALUE	TEST METHOD
Density (nominal)	2 lbs/cu ft.	ASTM-D-1622
Tensile Strength	50 PSI minimum	ASTM-D-1623
Compression Deflection @ 50%	5 psi maximum	ASTM-D-1621
Water Absorption	0.05 gm/cc	² ASTM-C-1016
Compression Recovery @ 50%	95% minimum	ITP
Out-Gassing	None	³ ITP
Temperature Range	-90°F to 210°F	—
Classification	Type 3	ASTM-D-249-92

²"Determination of water absorption by sealant (joint filler) materials." Prior to ASTM-C-509 standard applicable to gasket and sealing material no longer appropriate in evaluating "sealant (joint filler) materials."

³Pending ASTM specification for sealant (joint filler) materials.

TABLE III

SOFT TYPE BACKER ROD SIZE-TO-JOINT WIDTH

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

As with all Soft Type Backer Rods, diameter should be approximately 25% larger than joint width.

OTHER ITP BACKUP MATERIALS ALSO AVAILABLE

- Standard Closed-Cell Polyethylene Foam Backer Rod. Sizes 1/4" to 6"
- Tundra Foam Open-Cell Backer Rod. Sizes 3/8" to 2"
- Hot Rod XL (Hot Pour) Closed-Cell Backer Rod. Sizes 3/8" to 2"
- Tundra Foam Filler Packaged Closed Cell Backer Rod.

TABLE IV

CARTON SIZES AND WEIGHTS

Rod Diameter	Weight / Carton	Carton Measurement
3/8"	6 lbs.	18" x 18" x 15"
9mm	2.7 kgs.	458mm x 458mm x 381mm
5/8" to 1-1/8"	11 lbs.	18" x 18" x 30"
15mm to 28mm	5.0 kgs.	458mm x 458mm 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

ALSO AVAILABLE FROM INDUSTRIAL THERMO POLYMERS

- PIPE INSULATION
- SEALANT JOINT BACKER ROD
- 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 the sellers 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.