



## INSUL-JOINT™ BACKER ROD

### EXPANSION JOINTS

DIVISION  
03300

## 1 PRODUCT NAME

**PRODUCT NAME:** Insul-Joint™ Backer Rod

## 2 MANUFACTURER

### ISI BUILDING PRODUCTS

401 Truck Haven Road, East Peoria Illinois 61611  
Phone: 866.698.6562 / Fax: 309.698.0065 / www.isibp.com

## 3 PRODUCT DESCRIPTION

### 3.1 BASIC USE

Insul-Joint Backer Rod is an ideal non-absorbent compressible backup material inserted into a joint to control sealant depth, creating a backstop to allow proper sealant tooling. It can also be used as a temporary joint seal. It is commonly used in glazing operation, window and door applications, expansion joints, curtain wall joints, partitions, log construction, pavement joints and repair, precast units and copings.

### 3.2 COMPOSITION & MATERIALS

Insul-Joint 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.

### 3.3 SIZE

Insul-Joint Backer Rod is available in multiple joint widths ranging from 3/16" to 3 1/2" with a rod size ranging from 1/4" to 4".

## 4 TECHNICAL DATA

### 4.1 APPLICABLE STANDARDS

**ASTM C 1016** Standard Test Method for Determination of Water Absorption of Sealant Backing (Joint Filler) Material

**ASTM C 1330** Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid-Applied Sealants

**ASTM C 1253** Standard Test Method for Determining the Outgassing Potential of Sealant Backing

**ASTM D 1621** Standard Test Method for Compressive Properties of Rigid Cellular Plastics

**ASTM D 1622** Standard Test Method for Apparent Density of Rigid Cellular Plastics

**ASTM D 1623** Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics

**ASTM D 4819** Standard Specification for Flexible Cellular Materials Made from Polyolefin Plastics

**ASTM D 5243** Standard Test Method for Open-Channel Flow Measurement of Water Indirectly at Culverts

**ASTM D 5249** Standard Specification for Backer Material for Use with Cold- and Hot-Applied Joint Sealants in Portland-Cement Concrete and Asphalt Joints

### 4.2 COMPATIBILITY

Insul-Joint Backer Rod is compatible with butyl, polysulfide, acrylic, polyurethane, silicone and most other cold sealants.

### 4.3 CHEMICAL RESISTANCE

Insul-Joint Backer Rod meets a wide range of chemical resistance. Please call our corporate office at 866.698.6562 for specific applications and conditions.

## 5 INSTALLATION

### 5.1 PLACEMENT

Joint or opening must be kept clean, dry and free of obstructions. 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 Insul-Joint 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.

### 5.2 PROTECTION

No traffic shall be permitted to travel over sealed joints until sealing compound has properly cured.

Avoid storing Insul-Joint Backer Rod outside for extended periods of time.

These are very general installation instructions. Instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions can be obtained by calling our corporate office at 866.698.6562 or online at www.isibp.com.

## 6 AVAILABILITY AND COST

Insul-Joint Backer Rod is sold through construction supply houses across the United States and Canada.

Insul-Joint Backer Rod current cost information can be obtained by calling our corporate sales office at 866.698.6562.

## 7 WARRANTY

Warranty information can be obtained by calling our corporate office at 866.698.6562 or online at [www.isibp.com](http://www.isibp.com).

## 8 MAINTENANCE

Requires no maintenance once installed.

## 9 TECHNICAL SERVICES

Technical information and detailed test results can be obtained by calling ISI Building Products toll free at 866.698.6562.

## 10 FILING SYSTEMS

Additional information can be obtained by calling our corporate office at 866.698.6562 or online at [www.isibp.com](http://www.isibp.com).

### PROPERTIES

### TEST METHOD

### RESULTS

DENSITY	ASTM D 1622	1.5 PCF
DEFLECTION	ASTM D 1621	4 PSI @ 25%
WATER ABSORPTION	ASTM C 1016	0.02% BY VOL.
TEMPERATURE RANGE	ASTM C 1330	-40° F TO 200° F
OUTGASSING	ASTM C 1253	>1
COMPRESSION RECOVERY	ASTM D 5243	% MIN. > 90%
TENSILE STRENGTH	ASTM D 1623	24 PSI

MEETS ASTM D 5249 TYPE III, ASTM C 1330 TYPE C AND ASTM D 4819 TYPE II

### NOTE:

TO THE BEST OF OUR KNOWLEDGE, THE SPECIFICATION CHART LISTS TYPICAL PROPERTY VALUES AND ARE INTENDED AS GUIDES ONLY, NOT AS SPECIFICATION LIMITS. ISI BUILDING PRODUCTS MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, NO GUARANTEE OF SATISFACTORY RESULTS FROM RELIANCE UPON CONTAINED INFORMATION OR RECOMMENDATIONS AND DISCLAIMS ALL LIABILITY FOR RESULTING LOSS OR DAMAGE.

### ISI BUILDING PRODUCTS

AN AFFILIATE OF MEYER ENTERPRISES, LLC  
401 TRUCK HAVEN ROAD, EAST PEORIA ILLINOIS 61611  
PHONE: 309.698.0062 / FAX: 309.698.0065

TOMORROW'S TECHNOLOGY TODAY™