

## TRI-ROD® BACKER ROD

TRI-ROD Backer Rod is a highly insulating, closed-cell polyethylene foam backer rod specifically designed and manufactured for use in the round log home industry.



### Manufacturing Facility:

106 Industrial Way  
Charlestown, IN 47111  
800-367-7068  
Fax: 812-256-2344  
[www.weatherall.com](http://www.weatherall.com)

### Distribution Centers:

Colorado: 800-430-7074  
Georgia: 866-399-6553  
Utah: 866-658-1312

## USES

- New Construction**  
TRI-ROD Backer Rod is the ideal backing material for round log applications. The triangular shape enables it to fit snugly between the logs and provides a flat surface for the optimum chink joint design.
- Restoration**  
TRI-ROD Backer Rod is an excellent replacement backing material for restoration projects involving chinking replacement on round logs.

## ADVANTAGES

- Triangular Shaped**  
Fits into the log joint to create a flat surface for chinking.
- Bond Breaker**  
Chinking releases from closed-cell surface allowing for its natural elasticity.
- Rounded Corners**  
Increases chinking "footprint" area for maximum adhesion.
- Closed-Cell**  
Resists moisture migration.
- Flame Retardant**  
Withdraws from flame rather than supporting combustion.
- Energy Efficient**  
Has an R4 per inch rating giving it excellent thermal efficiency.
- Non-Toxic**  
It is odorless and safe for interior and exterior use. Has an excellent flame and smoke rating per ASTM E-84.
- Ease of Application**  
It is easily installed between logs after spraying back side with spray adhesive. It is not necessary to hold TRI-ROD in place with nails, staples, etc.
- No Outgassing**  
Does not outgas or cause blistering.
- Flexible**  
Provides a firm but flexible chinking surface; will not distort or result in bulging, uneven chinking surfaces.
- Testing**  
Meets or exceeds ASTM standards for polyethylene foam insulation.

## TECHNICAL INFORMATION

TRI-ROD Backer Rod is chemically inert, resists solvents, oils and moisture. Because it does not adhere to sealant materials, it acts as a bond-breaker strip. TRI-ROD Backer Rod is odorless, non-exuding and non-staining. The dense closed-cell structure of TRI-ROD Backer Rod makes it compressible and resilient.

### Physical Properties

<b>Composition</b>	Extruded Polyethylene Foam
<b>Color</b>	White
<b>Odor</b>	None
<b>Cell Structure</b>	Closed (miniature, dense cell structure)
<b>Chemical Resistance</b>	Inert, resistant to oils, gasoline and solvents
<b>Thermal R</b>	R4 ±/inch
<b>Adherence to Sealant</b>	Does not adhere
<b>Temperature Range</b>	-50° F. to 250° F.
<b>Water Absorption ASTM C-509</b>	Less than 1% by weight Less than 0.1% by volume
<b>Density ASTM C-302</b>	2 lbs. /cu. ft.
<b>Tensile Strength ASTM D-1623</b>	37.3 lbs. /inch – 2
<b>Compression Deflection ASTM D-1621</b>	44.91 lbs. /ft. - 1 @ 10% radical compression
<b>Maintenance</b>	None required

### Packaging

TRI-ROD Backer Rod is packaged in 6' lengths. The guide below is offered to assist in estimating quantities required.

Size	Linear feet per case
3/4"	1320'
1"	1020'
1 1/4"	750'
1 1/2"	480'
2"	318'

## INSTALLATION GUIDELINES

### Surface Preparation

Logs must be clean and free from any grease, paraffins, oils, petroleum distillates, urethanes or obstructions such as nails, tacks, staples, etc.

### Determining Size of TRI-ROD Backer Rod

To determine the correct sizes of TRI-ROD Backer Rod needed and the amount of linear feet, lay the various sizes of TRI-ROD Backer Rod into the log joints. TRI-ROD Backer Rod should fit snugly into the log joint and form a flat, vertical surface. Choose the size that best fits each joint.

### Installing TRI-ROD

Place the TRI-ROD Backer Rod face down on a flat surface or holding rack. Spray the two exposed sides of the TRI-ROD Backer Rod with a spray adhesive.

**Note: Never spray the adhesive directly onto the log surface.**

Allow the adhesive to dry until tacky. Carefully insert the TRI-ROD Backer Rod into the log joint with the exposed face parallel to the plane of the wall. Press firmly until it fits snugly between the logs. Continue in this manner until all TRI-ROD Backer Rod is installed in log joints. (Refer to diagram 1). To maintain a neat, uniform appearance, try to make a smooth transition when changing sizes of TRI-ROD Backer Rod in a surface line. When installing TRI-ROD Backer Rod around knots, corners, curves, etc., the back side of the TRI-ROD Backer Rod may be cut out as long as the front flat surface is left intact. Where blocking is used between logs, apply TRI-ROD Backer Rod over blocks and mark the back of the TRI-ROD Backer Rod at the edges of the block. Turn the TRI-Rod Backer Rod over and cut along the mark being careful not to cut completely through the front flat surface. (Refer to diagram 2). Cut horizontally to remove excess TRI-Rod Backer Rod then proceed with normal installation.

**Note: Never chink directly over the block.**

## AVAILABILITY/SUPPORT

Weatherall products are available from the manufacturing plant in Charlestown, Indiana, distribution centers, as well as a national network of distributors. Weatherall Company will gladly provide technical support upon request. Visit our website to locate the distributor nearest you.

## LIMITED WARRANTY

Although every effort has been made to assure the accuracy of this information and the safety and suitability of its products, Weatherall Company, Inc. accepts no responsibility for results obtained by the application of this information or for the safety and suitability of its products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each product or product combination for their own purposes. In view of the various conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used, Weatherall Company, Inc. sells this product without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of this product, whether used alone or in combination with other products.

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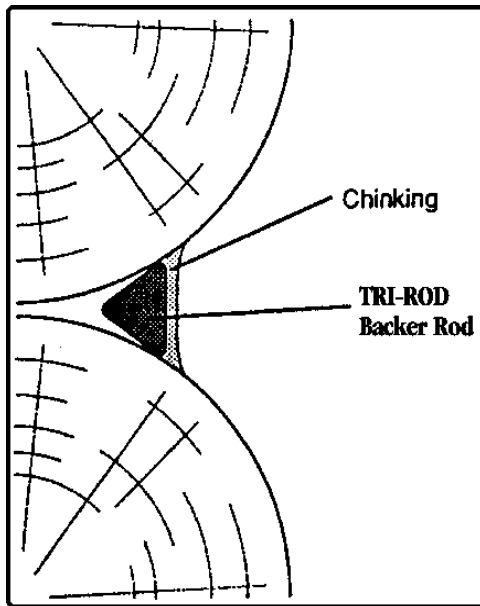


Diagram 1

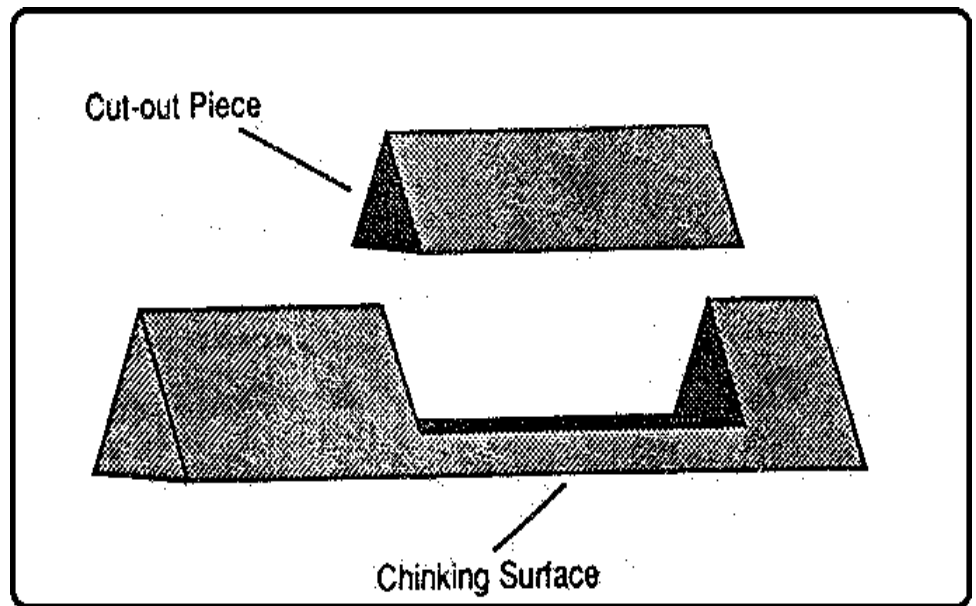


Diagram 2