

MANUFACTURERS RECOMMENDED SPECIFICATIONS

Tri-Rod® Backer Rod



1. PRODUCT NAME

Tri-Rod® Backer Rod

2. MANUFACTURER

Weatherall Company, Inc.
Corporate/Manufacturing
Office
106 Industrial Way
Charlestown, IN 47111
1-800-367-7068
FAX: (812) 256-2344

3. PRODUCT DESCRIPTION

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.

4. BASIC USE

The triangular shape of Tri-Rod® enables it to fit snugly between the logs and provide a flat surface for the optimum chink joint design.

5. ADVANTAGES

- Triangular Shaped
Fits into the log joint and creates 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.

- Energy Efficient
Tri-Rod® has an "R" 4 per inch rating giving it excellent thermal efficiency.

- Flame Retardant
Withdraws from flame rather than supporting combustion.

- Non-Toxic
Is odorless and safe for exterior and interior use. Has excellent flame and smoke ratings per ASTM-E-84.

- Ease of Application
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 firm but flexible chinking surface; will not distort or result in

bulging, uneven chinking surface.

- Testing
Meets or exceeds ASTM standards for polyethylene foam insulation.

6. TECHNICAL INFORMATION

Tri-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® is odorless, non-exuding and nonstaining. The dense closed-cell structure of Tri-Rod® makes it compressible and resilient. The typical physical properties of Tri-Rod® are listed in the table on the following page.

7. INSTALLATION

Preparation of Logs

Logs must be clean and free from all dirt, oil, grease and obstructions such as nails, tacks, staples, etc.

Determine Size of Tri-Rod®

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

TYPICAL PHYSICAL PROPERTIES

Composition.....	Extruded polyethylene foam
Color.....	White
Odor.....	None
Cell Structure.....	Closed (miniature, dense cell structure)
Chemical Resistance.....	Inert, resistant to oils, gasoline, solvents
Adherence to sealant.....	Does not adhere, acts as a bond-breaker strip
Temperature Range.....	-50°F to +200°F
Water Absorption ASTM-C509.....	Less than 1% by weight Less than 0.1% by volume
Density ASTM C-302.....	2 lbs. / cu.ft.
Tensile Strength ASTM D-1623.....	37.3 lbs. / inch - 2
Compression Deflection ASTM D-1621....	44.91 lbs. / ft. -1 @ 10% radical compression
Maintenance.....	None required

TRI-ROD® IS MANUFACTURED IN THE FOLLOWING SIZES:

3/4" 1 1 1/4" 1 1/2" 2"

TRI-ROD® IS PACKAGED IN 6' LENGTHS AS FOLLOWS:

3/4".....1320'/box
 1".....1020'/box
 1 1/4"..... 750'/box
 1 1/2"..... 480'/box
 2".....318'/box

Installing Tri-Rod®

Place the Tri-Rod® face down on a flat surface or holding rack. Spray the two exposed sides of Tri-Rod® lightly with a spray adhesive such as 3M Spray Adhesive. Allow adhesive to dry until tacky, then carefully insert Tri-Rod® into log joint with the exposed face parallel to the plane of the wall and press firmly until it fits snugly between the logs. Continue in this manner until all Tri-Rod® is installed in log joints.

(See Diagram 1)

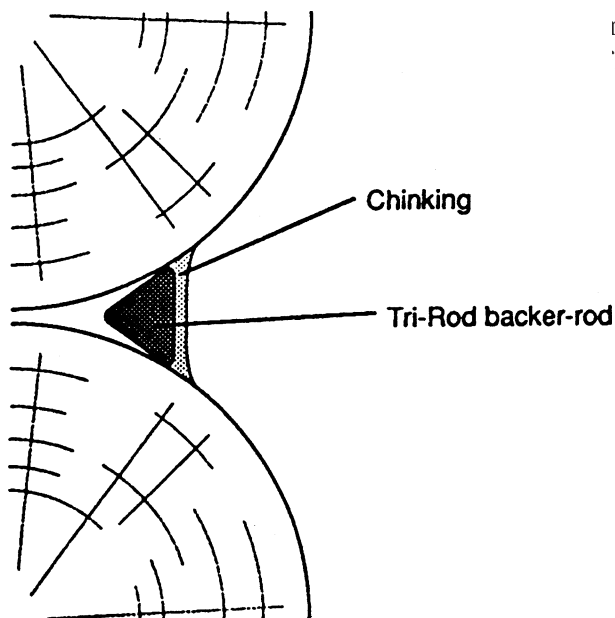


Diagram 1

NOTE: Never spray foam adhesive directly onto log surface.

To maintain neat, uniform appearance, try to make a smooth transition when changing sizes of Tri-Rod® in a surface line.

When installing Tri-Rod® around knot, corners, curves, etc., the back side of the Tri-Rod® may be cut out as long as the front flat surface is left intact. Where blocking is used between logs, apply Tri-Rod® over blocks and mark the back of Tri-Rod® at edges of block. Turn Tri-Rod® over and cut along mark being careful not completely through to the front face. (See Diagram 2.)

Cut horizontally to remove excess Tri-Rod®, then proceed with normal installation.

NOTE: Never chink directly over the block.

8. AVAILABILITY

Tri-Rod® Backer-Rod is available from all authorized Weatherall distributors.

9. TECHNICAL SUPPORT

For technical support, on-site consultation and other information, contact the Weatherall Technical Support.

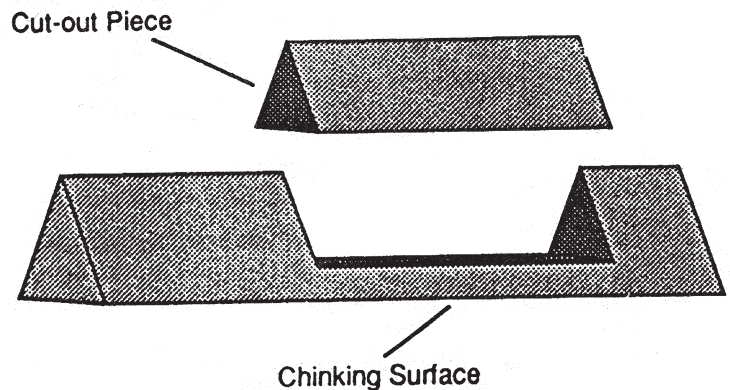


Diagram 2

10. WARRANTY

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