

TECHNICAL DATA SHEET

SOFT ROD BACKER RODS

Product Description

The Caulking Store's Soft Type Backer Rod is a soft, non-gassing, pliable, bi-cellular backup material designed for construction joints requiring sealants. It controls sealant depth and promotes proper hourglass shape formation without adhering to the sealant, ensuring a durable, high-performance joint.

Material Composition

Black extruded bi-cellular polyethylene with a water-resistant outer skin. Compatible with urethane, silicone, acrylic, butyl, polysulfide, latex, and chinking sealants.

Primary Applications

- Expansion joints
- Window glazing
- Curtain walls
- Parking decks
- Bridge construction
- Pavement maintenance
- Log home chinking – especially for irregular joint widths

Installation Guidelines

- Prepare joints so they are free of contaminants, loose materials, frost, and curing compounds.
- Install at 25–50% compression.
- Seat with a roller or blunt instrument in accordance with manufacturer specifications.
- Avoid puncturing, stretching, or over-compressing the rod.

Temperature Operating Range

Temperature Limits: -90°F to 190°F (-68°C to 88°C).

Key Limitations

- Not compatible with hot-applied sealants.
- Confirm compatibility with your sealant manufacturer before use.
- Installation tools must be blunt or flat-sided to avoid puncturing the material.

Warranty

This product is sold without warranty, express or implied. The buyer is responsible for determining the suitability of this product for their intended application.

AVAILABLE SIZES & PACKAGING

Diameter	Carton Dimensions	Contents	Recommended Joint Width
3/8" (10mm)	18.5" x 18.5" x 15	2,100'/Carton, 2 spools/Carton	3/16" – 1/4"
5/8" (16mm)	19" x 19" x 30"	1,550'/Carton, 2 spools/Carton	3/8" – 1/2"
7/8" (22 mm)	19" x 19" x 30"	850'/Carton, 1 spool/Carton	1/2" – 3/4"
1 1/4" (29mm)	19" x 19" x 30"	400'/Carton, 1 spool/Carton	3/8" – 7/8"
1 1/2" – 4" (38mm – 102mm)	13.5" x 13.5" x 73"	Varies by size	7/8" – 3"

PHYSICAL PROPERTIES

Property	Value	Test Method
Density	1.6 – 2.0 lbs/ft	ASTM D 1622
Outgassing	0 bubbles	ASTM C 1253
Compression Recovery	> 97%	ASTM D 5249
Water Absorption	< 0.03 g/cc	ASTM C 1016 B
Tensile Strength	25 – 50 psi	ASTM D 1623

Meets ASTM C1330 Type B requirements.



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Information provided is accurate to the best of our knowledge and is subject to change without notice.