

RepSeal Backer Rod (ASTM D5249)

DESCRIPTION:

RepSeal Backer Rod is a polyethylene-based closed-cell backing material manufactured for joints and areas requiring filler material on construction projects. **RepSeal Backer Rod** is an ideal nonabsorbent 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. **RepSeal Backer Rod** is compatible with nearly all and will not adhere to or discolor cold applied joint sealants.

USES:

RepSeal Backer Rod is used in horizontal and vertical applications and is ideal on many types of construction projects including, but not limited to isolation, expansion and coping joints, highway construction and maintenance, log-based housing, and parking structures. 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.

SURFACE PREPARATION:

Surfaces must be thoroughly cleaned, dry, and free of all debris and standing water, frozen or otherwise. Contact **TuffTex Materials** for recommendations on the removal of pre-existing products that may cause compatibility issues with **RepSeal Backer Rod**.

INSTALLATION:

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 and very small joints vary in terms of this depth to width ratio. Do not puncture, stretch, or overly compress! See “Rod Size to Joint Width Chart” below.

COMPOSITION & CHEMICAL RESISTANCE:

RepSeal Backer Rod is an extruded round, closed cell, low density polyethylene foam material with skin-like outer texture. It is highly flexible and compressible for easy installation. **RepSeal Backer Rod** is resistant to petroleum, oil and most solvents and meets a wide range of chemical resistance. Please call for specific applications/conditions.

PHYSICALS:

Density	1.5 PCF
Deflection	4 PSI @ 25%
Water Absorption	0.02% by vol.
Temperature Range	-45° F to 160°F

COMPATIBILITY:

RepSeal Backer Rod is compatible with butyl, acrylic, urethane, polysulfide, polyurethane, silicone and most other cold sealants.

REGULATIONS: ASTM D5249 - 10(2021)

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

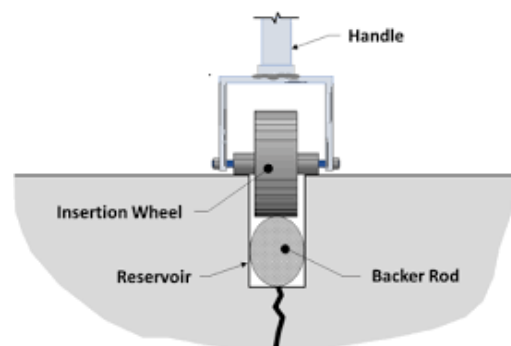
Scope:

This specification covers backer material for cold- and hot-applied joint sealant for use in portland-cement concrete or asphalt-pavement joints.

This specification establishes basic requirements for sealant-backer material either in rod or strip form, which can withstand the temperature of hot- or cold-applied sealants without excessive deformation.

Sealant backer material serves one or more of the following purposes:

Limits the amount and depth of sealant applied to a joint, Acts as a barrier interface to prevent backside adhesion (bond breaker), and provides a form to assist the sealant in developing a shape factor.





RepSeal™ Backer Rod

TuffTex Materials
RESTORATION MADE EASY

TuffTex Materials
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PACKAGING:

1/4"	Spool	3200 LF
3/8"	Spool	1800 LF
1/2"	Spool	2500 LF
5/8"	Spool	1550 LF
3/4"	Spool	1100 LF
1"	Spool	550 LF
1 1/4"	Spool	400 LF
1 1/2"	6' Lengths	552 LF/ 92 Box
2"	6' Lengths	360 LF/ 60 Box
2 1/2"	6' Lengths	240 LF/ 40 Box
3"	6' Lengths	144 LF/24 Box
4"	6' Lengths	90 LF/ 15 Box
6"	9' Lengths	72 LF/ 8 Box

of control of **TuffTex Materials**, and any question regarding the appropriate application of these products must be addressed with **TuffTex Materials** representatives prior to use. Field visits by **TuffTex Materials** personnel are for the purpose of making technical recommendations only, and not for supervising or providing quality control on the jobsite.

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **TuffTex Materials, Inc.**, or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.

DISCLAIMER:

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of **TuffTex Materials, Inc.** Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Published technical data and instructions are subject to change without notice. Contact your local **TuffTex Materials, Inc.** distributor or technical representative for additional technical data and instructions.

Rod Size to Joint Width Chart	
<u>Joint Width</u>	<u>Rod Size</u>
3/16"	1/4"
1/4"	3/8"
3/8"	1/2"
1/2"	5/8"
5/8"	3/4"
3/4"	7/8"
7/8"	1"
1"	1 1/4"
1 1/8"	1 1/2"
1 5/8"	2"
2"	2 1/2"
2 1/2"	3"
3 1/2"	4"

STORAGE:

The material should be stored between 40°F – 95°F (4°C – 35°C) in a cool, dry area away from direct sunlight.

SHELF LIFE:

Shelf life of safely stored unopened containers is 36 months (3 years). Excessive temperature differential and high humidity can shorten the shelf-life expectancy.

NOTE:

Transportation, storage, means of utilization, and methods of application are not the responsibility of, nor within the scope



