BUILDING TRUST

PRODUCT DATA SHEET

BEJ-On-A-Reel

Silicone-coated, precompressed, primary seal for rapid installation into small joints

Product Description

BEJS-On-A-Reel from Sika Emseal is a cost-effective version of Emseal's industry-standard BEJS (Bridge Expansion Joint System) product shipped on a reel for rapid installation into small joints — 1/2 to 1 1/4-inches wide (12 – 30mm). It is supplied precompressed smaller than the joint gap.

BEJS-On-A-Reel is designed to replace traditional liquid sealant/backer rod combinations which rely on the difficult to achieve "hour glass" shape. In addition BEJS-On-A-Reel can be installed at temperatures other than mean temperature and will function properly fully throughout the thermal cycle. It can also be used in place of backer rod in asphaltic plug configurations to provide a secondary watertight seal.

Features

- Pre-cured silicone primary seal
- Cost effective
- Shipped on 12-foot reels
- Easy to stock
- Smooth convex surface
- Rapid installation — new or retrofit
- Watertight
- Conforms to substrate irregularities
- Easily handles changes in plane and direction
- Traffic durable
- Easy to repair
- 100% free of wax compounds

Standard Sizes

- Width: 1/2", 3/4", 1" and 1 1/4" (12, 20, 25 and 30mm)
- Depth of Seal: 1 3/4" (45mm)

Movement Capability

Total 120% (+60% and -60%) of nominal supplied size

Composition

BEJS-On-A-Reel (BOR) combines a factory-applied and cured silicone bellows with a microsphere-modified acrylic-impregnated expanding foam sealant backing.

BOR features Emseal's patented microsphere-modified acrylic impregnation infused into a cellular foam base material and is coated with a high-grade silicone coating that has been tested for durability under UV, water, and air pressure differential exposures typically experienced by modern structures.

Performance Limitations

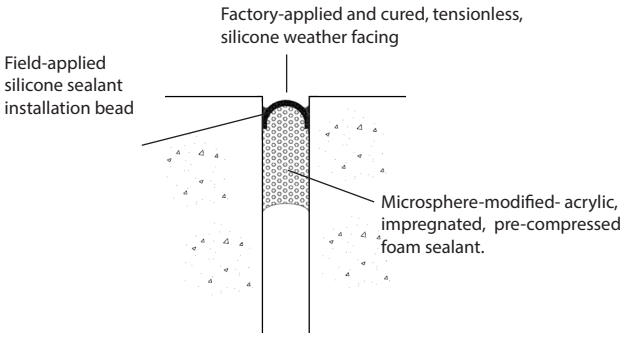
Substrates must be clean, parallel, plumb and capable of resisting approx. 2.5 psi backpressure from the foam.

Sizing Chart

Product Code*	Nominal Material Size (Joint Size @ Mean	Min. Joint (closes to)	Max. Joint (opens to)	Depth of Seal
BOR - 0050	1/2" (12mm)	1/4" (6mm)	3/4" (20mm)	1 3/4" (45mm)
BOR - 0075	3/4" (20mm)	5/16" (8mm)	1 1/4" (30mm)	1 3/4" (45mm)
BOR - 0100	1" (25mm)	3/8" (10mm)	1 1/2" (40mm)	1 3/4" (45mm)
BOR - 0125	1 1/4" (30mm)	1/2" (12mm)	2" (50mm)	1 3/4" (45mm)

BEJS-On-A-Reel

Factory-applied and cured, tensionless, silicone weather facing



HORIZONTAL-PLANE APPLICATION

Installation

- *NOTE: This is a summary installation sequence for illustration purposes only. See BEJS-On-A-Reel Install Data for complete instructions.*
- Clean the joint faces
- Using the silicone sealant provided, gun a continuous installation bead of sealant 3/8" (10mm) back from the joint edges on each substrate.
- Unroll BEJS-On-A-Reel and remove release liner.
- Insert BOR into the joint pushing on the material so that it 'snakes' from side to side.
- Overcut each length by 3/8" (10mm). BOR will self-expand to fill the joint. The combination of the active backpressure, embedment into the silicone installation bead, and the pressure-sensitive nature of the acrylic impregnation ensures the attachment of the foam to the substrates.

CAD Details

CAD details re available online at Emseal.com or by **contacting Emseal.**

Warranty

Standard or project-specific warranties are available from Sika Emseal on request.

Availability & Price

BEJS-On-A-Reel is available for shipment internationally. Prices are available from local representatives and/or directly from the manufacturer. Sika Emseal reserves the right to modify or withdraw any product without prior notice.

EMSEAL JOINT SYSTEMS, LTD
25 Bridle Lane
Westborough, MA 01581 USA
Phone: 508.836.0280
Fax: 508.836.0281
www.emseal.com/bridge

EMSEAL, LLC
111 Royal Group Crescent
Woodbridge, ON L4H 1X9 Canada
Phone: +1-416-740-2090
Fax: +1-416-740-0233
www.emseal.com

SIKA CORPORATION
201 Polito Avenue
Lyndhurst, NJ 07071 USA
Phone: +1-800-933-7452
Fax: +1-2019336225
www.usa.sika.com

Product Data Sheet
Emseal BEJS-On-A-Reel
May 2022 Version SE-1.0