



PRODUCT DATA SHEET

SikaSeal®-414 Backer Rod CA

Closed-cell polyethylene backer rod (1.6 cm [5/8 in])

PRODUCT DESCRIPTION

SikaSeal®-414 Backer Rod CA is a flexible, closed-cell, low-density polyethylene foam rod designed for use as a backing material in sealant joints. Its smooth, skin-like exterior provides excellent resistance to moisture while allowing easy compression and installation. SikaSeal®-414 Backer Rod CA ensures proper joint geometry, controls sealant depth, and prevents three-sided adhesion to optimize sealant performance and durability.

WHERE TO USE

SikaSeal®-414 Backer Rod CA is used as a backing material for a wide range of interior and exterior joint sealing applications, including:

- Expansion joints in building envelopes and structural assemblies
- Pavement and sidewalk joints
- Precast concrete units and copings
- Curtain wall and façade joints
- Horizontal and vertical glazing installations
- Log construction, installed behind chinking mortar
- Windows and doors perimeters

CHARACTERISTICS / ADVANTAGES

- Closed-cell, non-absorbent, moisture resistant
- Flexible and compressible for easy installation and reliable joint support
- Smooth skin-like exterior
- Conforms to ASTM C1330 Type C and ASTM D5249 Type 3 requirements for backer rods

PRODUCT INFORMATION

Packaging	6 bags per box
Colour	Grey
Shelf Life	N/A
Storage Conditions	Store in a closed container, in a dry place.
Density	> 1.5 (ASTM D1622)

Tensile Strength	345 kPa (50 psi)	(ASTM D1623)
Service Temperature	-67 °C to 100 °C (-90 °F to 210 °F)	
Water Absorption	0.02% by Volume	(ASTM C509)
	Determination of water absorption by sealant (joint filler) materials	
Compression Resistance	Compression Deflection 35 kPa @ 25% (5 psi @ 25%)	(ASTM D1621)
Yield	One SikaSeal®-414 Backer Rod CA fills a space approximately 1.6 cm (5/8 in) wide x 6 m (20 ft) long.	
Compatibility	Compatible with most common sealant technologies: butyl, polysulfide, acrylic, polyurethane, silicone, and other cold-applied sealants	

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

FURTHER INFORMATION

- SikaSeal®-414 Backer Rod CA is chemically inert and will resist oil, gasoline and most other solvents. This material will not stain nor adhere to sealant materials, and is non-exuding.
- Do not puncture, stretch or overly compress SikaSeal®-414 Backer Rod CA.

ENVIRONMENT, HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data. Always wear protective eyewear and gloves.

KEEP OUT OF REACH OF CHILDREN

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The joint or opening must be clean, dry, and free of all obstructions before installing SikaSeal®-414 Backer Rod CA.

APPLICATION

1. Cut SikaSeal®-414 Backer Rod CA to length as required, or dispense directly from the spool.
2. Using a blunt instrument or roller, uniformly place the SikaSeal®-414 Backer Rod CA to the depth specified by the sealant manufacturer, architect, or project designer.
3. After installation, the joint depth is typically set to one-half the joint width, unless project conditions require a different ratio (very small or large joints may vary).

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

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