

# BUILDING PRODUCT INFORMATION SHEET

## Sika® PEF Rod

### Backing rods for jointing requirements

#### DESCRIPTION

Sika® PEF Rod is manufactured from the highest quality closed cell polyethylene to produce a joint backing material primarily for use in conjunction with elastomeric sealants.

#### USES

Sika® PEF Rod is pushed into joint gaps to form a uniform and firm base for controlling the depth of gun applied elastomeric sealants such as Sikaflex. Sika® PEF Rod can be used for forming the base of vertical and horizontal joints in the following applications:

- Joints between precast concrete panels
- Saw cut joints in concrete floors
- Peripheral joints around aluminium and timber windows
- Around penetrations through walls and floors

- Expansion joints between bricks and masonry
- Can also be used for draught-proofing and dust-proofing of joints in situations where no other form of sealing is required

#### FEATURES

- Weather resistant
- No water absorption, closed cell
- No adhesion to sealants, sealant has unrestricted movement
- Approved for use in food areas (Australia Standard AS2170)
- Easy to install
- Wide range of sizes available
- Non toxic, odourless
- Resistant to most chemicals
- Easily compressible, good expansion
- Very light weight

#### PRODUCT INFORMATION

|                             |  |                        |
|-----------------------------|--|------------------------|
| <b>Product Identifier</b>   | Sika® PEF Rod  |                        |
| <b>Place of manufacture</b> | Aotearoa New Zealand   |                        |
| <b>Composition</b>          | Closed cell polyethylene foam.                                 |                        |
| <b>Packaging</b>            | Sika® PEF Rod is available in the following sizes and lengths: |                        |
|                             | <b>Diameter</b>  | <b>Length per Roll</b> |
|                             | 6 mm   | 20 m & 250 m           |
|                             | 8 mm   | 20 m, 50 m & 250 m     |
|                             | 10 mm  | 20 m, 50 m & 250 m     |
|                             | 12 mm  | 20 m, 50 m & 150 m     |
|                             | 15 mm  | 20 m, 50 m & 100 m     |
|                             | 20 mm  | 20 m & 60 m            |
|                             | 25 mm  | 25 m                   |
|                             | 30 mm  | 25 m                   |
|                             | 40 mm  | 2 m length             |
|                             | 50 mm  | 2 m length             |

|                              |  |
|------------------------------|--|
| <b>Shelf life</b>            | Indefinite   |
| <b>Storage conditions</b>    | Store in original, unopened packaging in cool, dry conditions. |
| <b>Appearance and colour</b> | White  |
| <b>Density</b>               | 37 kg/m <sup>3</sup>   |

## MANUFACTURER AND IMPORTER INFORMATION

|                                 |               |  |
|---------------------------------|---------------|--|
| <b>Manufacturer information</b> | Address       | Sika (NZ) Limited<br>85-91 Patiki Road<br>Avondale, Auckland 1026<br>New Zealand |
|                                 | Phone number  | 0800 745 269   |
|                                 | Website       | <a href="https://nzl.sika.com/">https://nzl.sika.com/</a>                        |
|                                 | Email address | info@nz.sika.com   |
|                                 | NZBN          | 9429000018791  |

## BUILDING CODE INFORMATION

|                              |  |
|------------------------------|--|
| <b>Building Code clauses</b> | B2 Durability: Performance clause B2.3.1 - (b) 15 years<br>E2 External Moisture: Performance clause E2.3.2<br>F2 Hazardous Building Materials: Performance clause F2.3.1 |
|------------------------------|--|

|  |  |
|--|--|
| <b>Building Code compliance statements</b> | <p>Performance B2.3.1 (b) 15 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. <a href="https://nzl.sika.com">nzl.sika.com</a>. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 1999.</p> <p>Performance E2.3.2: In accordance with E2/AS1 and E2/AS3 (CCANZ CP 01:2014) this product is compliant with ASTM C1330 - "Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid Applied Sealants" and therefore meets the NZ Building Code requirements for use as a "flexible air seal".</p> <p>Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet <a href="https://nzl.sika.com">nzl.sika.com</a> for further information if required</p> |
|--|--|

## MAINTENANCE REQUIREMENTS

There are no maintenance requirements for this Sika product

## BASIS OF PRODUCT DATA

All technical data in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## TECHNICAL INFORMATION

|                             |  |
|-----------------------------|--|
| <b>Thermal conductivity</b> | 0.035 W/m.k.   |
| <b>Service temperature</b>  | -40°C to +70°C   |
| <b>Chemical resistance</b>  | Unaffected by oils, petrol, sewage and most industrial chemicals |

## ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to

the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

### NZ BUILDING PRODUCT INFORMATION SHEET

Sika® PEF Rod  
12/12/2024 File version 1.0  
020516030000000013

## APPLICATION

- The Sika® PEF Rod should have a diameter of 25 - 30% greater than the width of the joint to ensure that it remains firmly in place during sealant application.
- When installing the rod it is essential that a blunt instrument is used, to avoid cutting or puncturing the surface. Puncturing can cause bubbles to occur in the uncured sealant.
- The rod must be positioned to achieve a uniform and even, predetermined depth without any twists, bumps or gaps.
- During installation avoid excessive longitudinal stretching of the rod.
- Refer to the "Sikaflex Elastomeric Sealants" guide, for information on joint design and calculation of joint movement.

## 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 the 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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

### Sika (NZ) Limited

85-91 Patiki Road  
Avondale, Auckland 1026  
New Zealand  
0800 745 269  
www.sika.co.nz

### NZ BUILDING PRODUCT INFORMATION SHEET

Sika® PEF Rod  
12/12/2024 File version 1.0  
020516030000000013

NZBPIS-5090-7502-7502-en-GB-1.0