

## PRODUCT DATA SHEET

# Abelflex

## EXPANSION JOINT AND SPACE FILLER (Zip Rolls)

### DESCRIPTION

A flexible, lightweight, closed cell, cross-linked, polyethylene foam expansion joint and space filler. In concrete and brickwork Abelflex has excellent recovery properties.

### USES

- Ideal as a gap filler and bond breaker for floor and wall expansion joints, filling systems for roads, motorways, bridges, walls and automotive applications.
- In joints where polystyrene or bitumen impregnated fillers have been used, Abelflex is ideal as a bond-breaker. Often necessary because of the sealant incompatibility with these forms of fillers.
- Suitable as a back-up filler for most liquid sealants
- Ideal for stopping contaminants such as soil entering into expansion slots and joints

### FEATURES

- Non-absorbent.
- Excellent recovery after compression.
- Readily compressible.
- Seals gaps against dust and water entry.
- Non-bleeding and resistance to fungi and insect attack (approved to AS2170) making it ideal for use in food contact applications.
- Easy to work with and cut.
- Resistant to most chemicals.
- Compatible with most liquid sealants.
- Lightweight and can be easily handled on-site.
- Can be easily moulded to suit more applications.

### PRODUCT INFORMATION

Composition	Polyethylene Foam
Packaging	10mm x 75mm x 25m 10mm x 50mm x 25m 10mm x 100mm x 25m 10mm x 150mm x 25m
Appearance and colour	Dark Grey Foam
Shelf life	When stored in dry conditions this product has an unlimited shelf life.
Storage conditions	Cool dry area free from direct sunlight.
Density	25 Kg/m <sup>3</sup>

### TECHNICAL INFORMATION

Tensile strength	Longitudinal 0.21 Mpa Transversal 0.16 Mpa	(ISO 1798) (ISO 1798)
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<b>Tear propagation resistance</b>	Longitudinal 0.60 N/mm Transversal 0.60 N/mm	(DIN 53507) (DIN 53507)
<b>Chemical resistance</b>	<ul style="list-style-type: none"> <li>▪ Water</li> <li>▪ Sea water &amp; brine</li> <li>▪ Soap and detergents</li> <li>▪ Diluted acids</li> <li>▪ Diluted detergents</li> <li>▪ Alcohol</li> <li>▪ Fungi</li> </ul>	
<b>Thermal conductivity</b>	0.05 W/mk	(JIS A1412)
<b>Service temperature</b>	-40° C Min / +95° C Max	(ISO 1856)
<b>Compression resistance</b>	Compression set (22N, 25%, 23° C)	0.5 hrs < 19% (ISO1856) 24 hrs < 10% (ISO 1856)
<b>Elongation at maximum tensile force</b>	Longitudinal Transversal	90% (ISO 1798) 105% (ISO 1798)

## BASIS OF PRODUCT DATA

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

## 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 the 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).

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

1. Attach to concrete with adhesive like general purpose primer or bitumen paint or a caulking compound during erection of pre-cast concrete labs.
2. Insert into expansion joints, tearing off the zip to leave a well for taking the sealant or caulking compound such as butyl, polysulphide, polyurethane, acrylic and silicone sealants.

3. Zipping - slit through 90% of the thickness to a prescribed depth (standard 10mm) following curing. The zip can readily be torn off, leaving a well to take the sealant or caulking compound.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## 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.

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