



# ABELFLEX

## DESCRIPTION

Abelflex is a closed cell, cross-linked, 100% polyethylene foam expansion joint and space filler strip. It is compressible, even under light loads and has excellent recovery properties. It is non-absorbent and is impervious to fluids. This is essential if the filler is to fulfil its proper functions.

## 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.
- Can also be used as a back up filler for most liquid sealants.
- Primary functions are to stop contaminants such as soil entering into expansion slots and joints.
- 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.

## FEATURES AND BENEFITS

- Readily compressible, sealing gaps quickly and effectively against dust and water entry.
- Non-bleeding and resistance to fungi and insect attack (approved to AS2170) make Abelflex ideal for use in food contact applications.
- Pliability and resilience in handling make Abelflex easily worked and fitted.
- Available in continuous lengths, unlike rigid substitutes.
- Being a closed cell polyethylene foam, Abelflex is resistant to most chemicals.
- Compatible with all sealants.
- Lightweight, can be easily handled on site.
- Due to flexibility can be moulded to more applications than standard rigid substitutes.
- 10mm zipping slit through 90% of thickness (std 10mm) allows clean joint for sealant.

## APPLICATION

- Simply attach to concrete with adhesive like General Purpose Primer or Bitumen Paint or a caulking compound during erection of precast concrete slabs.
- 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.
- 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.

## PACKAGING

Thickness	Length	Width
10mm	6m	50 to 150mm
10mm	25m	75 to 300mm

## SHELF LIFE

When stored in dry conditions this product has an unlimited shelf life.

## TECHNICAL DATA

<b>Properties:</b>	
<b>Thermal Conductivity:</b>	0.032 W/mk
<b>(JIS A 1413):</b>	@ 20° C, 50-70% R.H.
<b>Water Absorption %:</b>	After 7 Days - 0.7%
<b>By Volume:</b>	After 28 Days - 0.8%
<b>Working Temperature:</b>	-80°C to 90°C
<b>Density:</b>	23-28 kg/m <sup>3</sup>
<b>Tensile Strength:</b>	Lengthwise -4.1kPa/mm <sup>2</sup>
<b>(DIN 53571):</b>	Crosswise - 3.0.kPa/mm <sup>2</sup>
<b>Tear Resistance:</b>	Lengthwise -1.8kPa/cm
<b>(DIN 53571):</b>	Crosswise - 3.0.kPa/mm <sup>2</sup>
<b>Pulsating Compressive Loads:</b>	0.23kg/cm <sup>2</sup>
<b>(DIN 53574):</b>	
<b>Chemical Resistance to:</b>	Water Sea Water & Brine Soap & Detergents Diluted Acids Diluted Detergents Alcohol Fungi

## DISCLAIMER

*The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with AS 3958.1 - 1991.*

*The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.*

**PAREXDAVCO**

**ParexDavco (Australia) Pty Limited**

ABN 28 093 876 558

67 Elizabeth Street Wetherill Park NSW 2164 Australia  
Telephone: 61 2 9616 3000 Facsimile: 61 2 9725 5551

Toll Free Technical Advice Line: 1 800 653 347

Email: [technical@parexdavco.com.au](mailto:technical@parexdavco.com.au) Website: [www.parexdavco.com.au](http://www.parexdavco.com.au)

