

## B50 – GENERAL PURPOSE GRADE JOINT BAND

[www.gripset.com](http://www.gripset.com)

TECHNICAL DATA SHEET

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### Description

The Elastoproof B50 Joint Band is an innovative detailing system designed for waterproofing and sealing all types of joints, junctions and general areas subject to movement. Featuring the central "Flexible Zone" the B50 Joint Band can accommodate movement in longitudinal, lateral and transverse directions enabling high elongation, rupture resistance, and up to 100% elastic recovery. The B50 Joint Band is easy to install and provides for considerable time saving efficiencies and durable properties over conventional bond breaking sealants and tapes

### Features & Benefits

- \* Approved bondbreaker system conforming to AS 3740
- \* Time saving simplified installation
- \* Eliminates need for sealant bondbreakers and tapes
- \* Long term protection at critical joint intersections and movement zones
- \* Accommodates movement in longitudinal and lateral directions with up to 100% elastic recovery
- \* Constructed of a unique high strength rubber compound that is rupture, chemical and water resistant
- \* Can be used in areas subject to full immersion
- \* Compatible with Gripset class A, B and C membranes

### Application

- \* Suitable for commercial, industrial and residential applications.

### Waterproofing Uses

For use as a bond breaker at the following critical areas:

- \* Wall/floor junctions
- \* Substrate abutments
- \* Control joints
- \* Movement and expansion joints

### Installing Elastoproof Bond breaker Joint Band

Measure and cut Elastoproof Joint Band for all wall/floor junction areas. Apply first coat of membrane to approximately 150mm extending up walls and on to floors, and embed Elastoproof Joint Band into wet bed of liquid membrane, ensuring fabric edges are fully wet out and no air bubbles exist behind the fabric. Rear rubber section of Elastoproof Joint Band is not bonded to substrates. At sections where Joint Band is to be joined, a minimum 50mm overlap is required. Elastoproof Prefabricated Corners are available for both internal (90°C) and external (270°C) junctions, enabling Joint Band to overlap and avoid joint at critical areas. If Prefabricated corners are not used, Elastoproof Joint Band is to have bottom leg cut and folded; ensuring fabric is completely bonded with the Gripset membrane.

### Packaging

- \* 50m Roll length
- \* 10m Roll length

### Precautions

- \* Not compatible with solvent based materials, e.g. adhesives, sealants or coatings
- \* Not to be used as UV exposed joint seal in external applications
- \* Do not apply when surface temperature is below 5°C or above 30°C.
- \* For further information about this product contact technical department of Gripset Industries.

### Product Properties

Rubber	NBR (acrylonitrile butadiene rubber)
Carrier Edging:	Polyester fleece with lateral flexibility
Total Width:	120mm
Thickness:	0.6-0.8mm
Rubber width:	70mm span, 20mm central stretch zone
Material weight:	50g/m
Surface face:	Fleece lamination

### Physical Properties

Shore A hardness:	65
Temperature resistance:	-20°C to 90°C
Tensile strength (DIN 53504):	>1.0 N/mm <sup>2</sup> lateral direction >7.0 N/mm <sup>2</sup> longitudinal direction
Rupture strain (DIN 53504):	>208% lateral direction >48% longitudinal direction
Moisture vapour transmission resistance coefficient μ:	8.4
Equivalent air thickness sd:	5.0
Water pressure resistance:	3 bar
Fire class (DIN, EN):	B3, F

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### Chemical Resistance

Lactic acid:	5%
Acetic acid:	5%
Hydrochloric acid:	3%
Chloric acid :	3%
Sulphuric acid:	35%
Citric acid:	10%
Potassium hydroxide:	20%
Sodium hypochlorite:	(0.3g/L)
Sea water:	sea salt (20g/L)
Lime milk:	pH 12.5
Sodium hydroxide solution:	pH 14
Diesel oil, grease, oil, paraffin:	0 to 14pH

### Movement Parameters

Starting Joint Width	20mm (maximum)
Movement capacity	No more than 50% of starting joint width

### Notes

Elastoproof products are to be installed to manufacturer guidelines using recommended Elastoproof or Gripset membranes/adhesives. No warranty is offered when these products are not installed to specification. Details contained in this product data sheet are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with Gripset Technical Services **before** commencing the application. A written confirmation will then be issued by Gripset Technical Services.

### Gripset Industries Pty Ltd

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### Product Disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Gripset Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.