

## Description

**ELASTOPROOF JOINT BAND SYSTEM** is an innovative detailing and bondbreaker system designed for waterproofing and sealing all types of joints, junctions, corner intersections 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 Elastoproof Joint Band system includes [PREFABRICATED CORNERS](#) for effective detailing and continuity of the Joint Band at critical 90° and 270° corner intersections to ensure a seamless and elastic seal.

The Elastoproof Joint Band system is easy to install, providing time saving efficiencies and enhanced durable properties over conventional bond breaking sealants and tapes while overcoming the challenges of detailing membranes at volatile areas

## Features & Benefits

- Approved bondbreaker system conforming to AS 3740 & AS4654.2
- Simplified installation
- Eliminates need for sealant bondbreakers and tapes
- Time saving – no drying/curing time associated with traditional sealant bondbreakers
- Long term and robust 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 I, II and III membranes
- Suitable for joints up to 20mm, and accommodating up to 50% of starting joint width

## Uses

- Wall/floor junctions
- 90° and 270° corner intersections
- Substrate abutments
- Control joints
- Movement and expansion joints
- Crack repairs
- High performance bond breaker and sealing system for joint transitions in internal, external, underground and immersed applications

## Surface Preparation

- All surfaces are to be clean, sound, smooth, dry, and free from loose material, dirt, dust, oil, grease, wax residues, laitance, curing compounds, release agents, existing coatings, moss, algae, sharp protruding objects and general surface contaminants that may compromise the adhesion of the overlaid membrane system
- Structurally unsound layers and surface contaminants to be mechanically removed by grinding, abrasive blasting or equivalent methods.
- Surface defects including voids, holes, pitted sections, heavy undulations and non-structural cracks to be filled and levelled. Refer to Gripset 11Y enhanced repair mortar or the RLA range of repair mortars and levelling compounds for options
- Building surfaces must be fit for purpose, constructed and installed to manufacturer's recommendations and relevant building standards in force at time of application

## Application

- The Elastoproof Joint Band System is to be applied over prepared, primed surfaces.
- Measure and cut Elastoproof B50 Joint Band for joints/junctions to be sealed.
- Apply first coat of Gripset liquid membrane by brush or roller in a 150mm wide strip applied centrally over the joint, and embed the Elastoproof Joint Band into wet bed of membrane
- Using a brush, press down firmly over the face of the Joint Band ensuring all creases or air pockets behind fabric edges are pushed out
- Apply a second coat of Gripset liquid membrane to fully encapsulate the Joint Band and affix to the surface
- At sections where Joint Band is to be joined, a minimum 50mm overlap is required between lengths
- Elastoproof Prefabricated Corners are available for both internal (90°) and external (270°) junctions, enabling Joint Band to overlap and avoid joints at critical areas. Ensure a minimum 50mm overlap of Prefabricated Corner Sections onto the Joint Band
- If Prefabricated corners are not used, lengths of the B50 Joint Band can be cut to form corner profile sections. To do this, cut a 150mm length of Elastoproof Joint Band and mark the halfway point along the length of the fabric. Make a vertical incision using a knife or scissors to the centre of the joint band
- Fold the bottom leg to form an internal corner profile and fix to the surface between wet coats of liquid membrane

### Important:

- When installing, apply sufficient wet membrane behind the Joint Band/Corner Sections to ensure fabric is wetted in and proper adhesion is achieved
- Joint Band must be bedded into a wet film of the membrane Do not allow membrane to skin or dry before bedding the Joint Band in position

## Shelf life & storage

- Product is best used within 12 months of purchase, however properties of product will be unchanged if stored correctly
- Best stored at room temperature
- Do not store in direct sunlight
- Not affected by frost, or cold floors

## Packaging

### Joint Band

- 120mm x 50m rolls
- 120mm x 10m rolls

### Prefabricated Corners

- Internal 90° Corners: 200mm x 200mm with 120mm wall/floor returns
- External 270° Corners: 200mm x 200mm with 120mm wall/floor returns

## Precautions

- Not compatible with solvent based materials, adhesives/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
- Not suitable for sealing joints in negative hydrostatic applications
- For further information about this product contact RLA Technical Department

Technical Data	
Rubber	NBR (acrylonitrile butadiene rubber)
Carrier edge	Polyester fleece with lateral flexibility
Total width (Joint Band)	120mm
Thickness	0.6-0.8mm
Rubber width	70mm span, 20mm central stretch zone
Material weight	50g/m
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
Rupture strain (DIN 53504):	>208% lateral direction >48% longitudinal direction
Moisture vapour transmission resistance coefficient $\mu$	8.4
Water pressure resistance	3 bar
Fire class (DIN, EN)	B3, F

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)	(0.3g/L)
Sea water: sea salt (20g/L)	(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 the starting joint width



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### Warranty Statement:

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification. We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials. RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where the product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards. Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control. Sufficient time and access to investigate any complaint must be accorded to RLA Polymers. The consumer is responsible for any expenses incurred in making a claim.

### Australian Consumer Law:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

### Disclaimer:

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed. Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

### GRIPSET ELASTOPROOF JOINT BAND SYSTEM TDS

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