

## Superior sealing system for critical joint areas over traditional bond-breaking sealants and tapes

### Uses

The Emer-Proof Elastic Joint Band (EJB) System has been developed as a superior alternative to traditional bond breaking methods for sealing critical movement zones. The Emer-Proof Elastic Joint Band System is suitable for internal, external and underground applications.

### Advantages

- Can be used with 'All' Emer-Proof water based single or 2 part liquid membrane systems
- Superior sealing system for critical areas over traditional bond breaking sealants and tapes
- Suitable for sealing movement joints and small expansion joints up to 10mm
- Time efficient and simplified installation – no time wasted waiting for joint sealants to sufficiently skin and cure
- High elongation and movement capabilities - able to withstand movement in both longitudinal and lateral directions
- High density, high strength rubber composition with superior water, chemical and tear resistance
- Waterproof in their own right, which offers double protection when combined with an Emer-Proof water based liquid membrane over-laid
- System comes with pre-fabricated corners for superior sealing in the most critical of areas

### Description

The Emer-Proof Elastic Joint Band System is a combination of tape and detailing accessories designed and developed as a superior bond breaking alternative to traditional methods of sealing critical movement zones.

### Standards Compliance

The Emer-Proof Elastic Joint Band System is an approved bond breaker, conforming to AS 3740 and is suitable for use in Class I, Class II and Class III membrane systems as per AS4858 and AS4654.

### Design Criteria

The substrate must be suitably prepared, clean, sound, stable and free of protrusions. It must be primed according to the substrate with either, Emer-Proof Primer Porous and Emer-Proof Primer Non-Porous for non-porous substrates.

The Emer-Proof Joint Seal Tape, and corners are installed first before the Emer-Proof water based liquid membranes.

All of the Emer-Proof Elastic Joint Band System accessories have a fleece that is designed to be embedded into the Emer-Proof water based liquid membranes which ensure full adhesion to the substrate for superior sealing in these critical areas.

### Emer-Proof Joint Seal Tape

Emer-Proof Joint Seal Tape is a nitrile butadiene rubber flexible bond breaking tape with polyester fabric carrier surface and edge to embed into Emer-Proof water-based liquid membranes. 120mm x 10m dimensions with a 70mm span of rubber centrally positioned.

Emer-Proof Joint Seal Tape is a wet area grade elastic joint bandage, designed for use in waterproofing critical movement zones within internal and external wet areas.

Emer-Proof Joint Seal Tape performs as the waterproofing system bond breaker, avoiding the use of sealant beads and backing rod bond breaker methods.

Emer-Proof Joint Seal Tape is also suitable for sealing movement joints and small expansion joint areas up to 10mm.

### Emer-Proof Elastic Joint Band Corners

270° degree external, 90° internal and adjustable internal corners.

Emer-Proof Elastic Joint Band pre-fabricated corner sections are designed for use in waterproofing corner intersections to provide a seamless high strength elastic seal.

They are suitable for internal and external wet areas, immersed and underground areas.

The pre-fabricated corner sections perform as an integral part of the waterproofing system bond breaker, used in conjunction with the Emer-Proof Joint Seal Tape. As with the Emer-Proof Joint Seal Tape, the Emer-Proof EJB Corners consist of a fleece covered nitrile butadiene rubber flexible bond breaking tape with polyester fabric carrier edge to embed into Emer-Proof water-based liquid membranes.

This high strength elastic system is compatible with water based polyurethane, cementitious, bituminous, acrylic membranes and precludes the need for sealant beads and backing rod bond breaker methods.

# Emer-Proof® Elastic Joint Band System



## 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 longitudinal direction
Rupture strain (DIN 53504):	>208% lateral direction >48% longitudinal direction
Moisture vapour transmission resistance coefficient $\mu$ :	8.4
Equivalent air thickness sd:	5.0m
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)
Sea water:	sea salt (20g/L)
Lime milk:	pH 12.5
Sodium hydroxide solution:	pH 14
Diesel oil, grease, oil, paraffin:	0 to 14 pH

## Application

**Step 1:** Apply a liberal coat of one of the Emer-Proof 'water-based' liquid applied membranes to internal and external corner intersections approximately 150mm wide.

**Step 2:** Embed the Emer-Proof EJB corners into the wet membrane, making sure full saturation of the fabric edges using a brush or spatula.

**Step 3:** Measure and cut Emer-Proof Joint SealTape for all wall / floor and wall / wall junctions. Ensure that the Emer-Proof Joint Seal Tape is measured to allow for the minimum 50mm overlap onto the Emer-Proof EJB corners.

**Step 4:** As with the corners previously; Apply a liberal coat of the same liquid membrane to the surface of the wall / floor and/or wall / wall junction approximately 150mm.

**Step 5:** Embed the pre-cut Emer-Proof Joint Seal Tape into the wet membrane, ensuring full saturation of the fabric edges. Remove any air pockets, voids or creases that may have occurred during installation by way of brush or spatula.

## Maintenance

No special requirements, any damage identified during normal inspections should be repaired or replaced as appropriate.

## Emer-Proof Butyl Rubber Floor Waste Detailing Collar

The Emer-Proof Butyl Rubber Floor Waste Detailing Collar is a fleece fabric square with a rear butyl rubber layer to enable direct adhesion to non-porous surfaces.

The butyl rubber provides a waterproof layer that is rupture resistant, forming an immediate seal, without requiring drying time to be effective.

The Emer-Proof Butyl Rubber Floor Waste Detailing Collar is ideally suited for sealing over plastic plumbing floor flanges (such as leak control flanges and safe waste trays), stainless steel fixtures or trays, metal drain surfaces and the intersection between non porous building substrates.

Primary advantages of the Emer-Proof Butyl Rubber Floor Waste Detailing Collar include: time saving with less than a minute to install over standard floor drains; no primer required to adhere over non porous surfaces; and an immediate waterproof seal.

The outer edge surface of the Butyl Square consists of a polyester fleece edge that is to be embedded into one of the several Emer-Proof water-based liquid membranes once the butyl rubber is adhered to the surface.

The rear face of the Emer-Proof Butyl Rubber Floor Waste Detailing Collar is covered with release paper which is removed just before installation.

### Size:

320mm x 320mm

## Product Properties

Rubber:	Butyl Rubber (grey colour)
Carrier Edging:	Polyester fleece with lateral flexibility
Thickness:	0.8 mm
Surface face:	Fleece lamination

## Supply

Emer-Proof Joint Seal Tape 120mm x 10m roll:	FC000691-UNIT
Emer-Proof EJB Inside Corner:	FC043270-UNIT
Emer-Proof EJB Outside Corner:	FC043275-UNIT
Emer-Proof EJB Adjustable Int Corner:	FC043125-UNIT
Emer-Proof Butyl Square Floor Waste Detailing Collar:	FC043129-UNIT

## Storage Conditions

Store in clean and dry conditions.

# Emer-Proof® Elastic Joint Band System

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## Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Emer website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

## Product disclaimer

This Technical Data Sheet (TDS) 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 TDS 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. Parchem 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.



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