

Technical Data Sheet ISSUED JULY 2016

PRODUCT DESCRIPTION

The WPA Elastoband 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" Elastoband can accommodate movement in longitudinal, lateral and transverse directions enabling high elongation, rupture resistance, and up to 100% elastic recovery. Elastoband is easy to install and provides for considerable time saving efficiencies and durable properties over conventional bond breaking sealants and tapes.

Recommended for use as a bond breaker at the following critical areas:

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

FEATURES AND BENEFITS

- Time saving simplified installation
- Eliminates need for sealant bond breakers 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 all WPA membranes
- Suitable for commercial, industrial and residential applications

APPLICATION PROCEDURE

Measure and cut WPA Elastoband for all wall/floor junction areas. Apply first coat of membrane to approximately 150mm extending up walls and on to the floors, and embed WPA Elastoband into wet bed of liquid membrane, ensuring fabric edges are fully wetted out and no air bubbles exist behind the fabric. Ensure rear rubber section of WPA Elastoband Band is not bonded to the substrate. At sections where Elastoband Band is to be joined, a minimum 50mm overlap is required. Elastoband Prefabricated Corners are available for both internal (90°) and external (270°) junctions.

Performance Data and Physical 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
Shore A hardness:.....65
Temperature resistance:..... -20°C to 90°C
Tensile strength.....>1.0 N/mm² lateral direction
(DIN 53504).....>7.0 N/mm² longitudinal direction
Rupture strain>208% lateral direction
(DIN 53504):..... >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

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

Limitations

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 the WPA Technical Department.

Packaging

50m roll length.

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WARRANTY CONDITIONS

Waterproofing Products Australia warrant this product for 10 years provided application is in accordance with manufacturer's written directions for use and the relevant Australian Standard has been followed. The representations and recommendations regarding this product are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, this product is sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Waterproofing Products Australia be liable to anyone except for replacement of the products or refund of the purchase price.

IMPORTANT

The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the product's suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed providing it is applied in accordance with the manufacturer's instructions as stated in this data sheet and any relevant Standard or Code, and provided the building and installation is structurally sound. Waterproofing Products Australia terms and conditions of sale apply.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Waterproofing Products Australia publication is based on the present state of our best scientific and practical knowledge. As the information contained herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

*NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Waterproofing Products Australia either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Waterproofing Products Australia, are responsible for carrying out procedures appropriate to a specific application.

DOCUMENT CONTROL	
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Author	FM

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This is a CONTROLLED document under WPA's Quality System.

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