

DUROLASTO TAPE

Technical Data Sheet

Description:

The Durolasto Tape 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 tape joint band can accommodate movement in longitudinal, lateral and transverse directions enabling high elongation, rupture resistance, and up to 100% elastic recovery. The Durolasto tape joint band is easy to install and provides for considerable time saving efficiencies and durable properties over conventional bond breaking sealant and tapes.

Features :

- Approved bondbreaker system conforming to AS3740
- Time saving simplified installation
- Eliminates need to 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 Durotech class A, B and C membranes.

Application:

Suitable for commercial, industrial and residential application.

Uses:

For use as bond breaker at the following critical areas:

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

Installing Durolasto Tape Band:

Measure and cut Duroproof 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 Durolasto Tape 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 Durolasto Tape is not bonded to substrates. At sections where tape is to be joined, a minimum 50mm overlap is required. Durolasto Tape prefabricated Corners are available for both internal (90°C) and external (270°C) junctions, enabling Durolasto Tape to overlap and avoid joint at critical areas. If Prefabricated corners are not used, Durolasto Tape is to have bottom leg cut and folded; ensuring fabric is completely bonded with the Durotech membrane.

PACKAGING:

- 120mm x 50m roll
- 120mm x 10m roll

PRECAUTIONS IN USE :

- Not compatible with solvent based material, 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 Durotech Industries.

TECHNICAL DATA :

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|-----------------|-------------------------------------------|
| 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 |

PHYSICAL PROPERTIES:

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|--------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Shore a hardness | 65 |
| Temperature resistance | -20°C to 90°C |
| Tensile strength (DIN 53504) | >1.0N/mm ² lateral direction >7.0N/mm ² 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 |

CHEMICAL RESISTANCE:

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|-----------------------------------|------------------|
| 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:

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

NOTES

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc.) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Durotech Industries offers a service for pre-testing adhesion to surfaces for large commercial areas or unusual substrates. For further details contact Durotech Industries.

Details contained in product data sheet are general. For any situation or items not cover in this data sheet, it is the responsibility of the applicator to check with Durotech Technical Services before commencing the application. A written confirmation will then be issued by Durotech Technical Services.