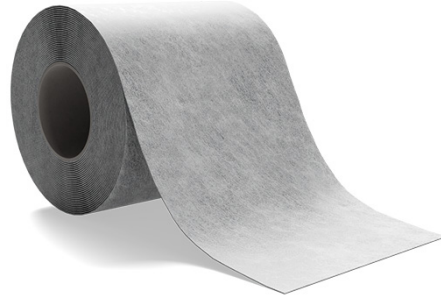

HydroBand Anti-Fracture

Technical Specifications



Continuous anti-fracture elastic tape for the waterproofing of corners, edges, wall-to-floor and wall-to-wall junctions, changes in gradient and movement joints (segmentation, expansion and decoupling) and perimeter joints in swimming pools, terraces and showers.

Product description

Continuous anti-fracture elastic tape for the waterproofing of corners, edges, wall-to-floor and wall-to-wall junctions, changes in gradient and movement joints (segmentation, expansion and decoupling) and perimeter joints in swimming pools, terraces and showers.

It bonds easily to cementitious substrates and ceramic tiles using HydroPad, a single-component, breathable, waterproof tri-polymer gel, or Litokol cementitious waterproofing products.

HydroBand multi-layer technology consists of an elastic, waterproof polymer film made of modified polyethylene, coated on both sides with a non-woven fabric made of modified polypropylene with a high specific surface area to ensure excellent adhesion to substrates during the waterproofing process.

For a perfect seal at corners, pre-formed special HydroCorner Internal pieces for internal corners and HydroCorner External pieces for external corners, engineered using the same technology, are available.

Certifications

EC1 Plus Gev Emissioncode
A+ Indoor air emissions

Substrates

Screeds
Self-levelling compounds

Levelling Compounds
Plaster and skim coats
Existing tiles
Radiant heating systems
Concrete and reinforced concrete
Plasterboard
Plaster and anhydrite
Fibre-cement sheets
Lightweight panels

Uses

Interior – exterior
Floors – walls
Overlay
Swimming pools and fountains
Terraces and balconies
SPA and Hammam
Indoor wet areas (bathrooms, showers)
Facades
Industrial flooring
Residential, public, commercial building

Limitations

Do not leave the product exposed
Do not use for waterproofing structural joints
Refer to national standards, such as UNI 11493

Product specifications

Composition	Multi-layer tape consisting of: - Modified polypropylene non-woven fabric covering - Waterproof, elastic polymer film made from modified polyethylene - Modified polypropylene non-woven fabric covering	
Colour	Grey	
Packaging	50 m roll	
Width	120 mm ± 3 mm	
Effective waterproof width	100%	
Weight	230 g/m ² +/- 54 g/m ²	
Thickness	0.6 mm ± 0.1 mm	
Shelf life	Unlimited when protected from direct sunlight	
Customs heading	56031490	

Technical Specifications

Longitudinal breaking load	120 N / 15 mm	DIN EN ISO 527-3
Lateral breaking load	25 N/15 mm	DIN EN ISO 527-3
Longitudinal elongation at break	70%	DIN EN ISO 527-3
Lateral elongation at break	300%	DIN EN ISO 527-3
Resistance to water pressure	> 1.5 bar	DIN EN 1928 – Version B

Chemical resistance

Active ingredient	(+ = resistant / 0 = weakened / - = not resistant)	
3% hydrochloric acid	+	Internal method

35% sulphuric acid	+	Internal method
Citric acid 100 g/l	+	Internal method
5% lactic acid	+	Internal method
3% potassium hydroxide	+	Internal method
5% acetic acid	+	Internal method
Sodium hypochlorite 0.3 g/l	+	Internal method
Salt water (20 g/l seawater)	+	Internal method

Application Specifications

Operating temperatures From -30°C to +90°C

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Preparation of substrates

In accordance with standard UNI 11493-1, substrates and coatings based on concrete, cement and plaster must be adequately cured and must not show signs of excessive moisture emission, condensation, efflorescence or hydrostatic problems. Substrates must be mechanically sound and free from loose particles, grease, oil, paint, wax and rising damp. Cement-based plasters must be allowed to cure for at least one week per centimetre of thickness. Cement-based screeds must have a total curing time of at least 28 days or be laid using the innovative X-Floor® and X-Floor® Pro anti-crack screeds. Surfaces that are particularly dusty, porous and absorbent can be treated with X-Prime®, an innovative fixative and consolidant. Smooth, compact substrates, such as old ceramic tiles or terrazzo, must be treated with the specific detergent X-Cleaner® Scrub. In the case of anhydrite screeds, ensure that a suitable vapour barrier is in place to prevent any rising damp. Check using a carbide hygrometer that the residual moisture content is less than 0.5% and 0.3% for underfloor heating screeds. In any case, the respective technical data sheets must be consulted for correct use of the indicated products.

Application

Cut the HydroBand Anti-Fracture tape to size. Apply the HydroPad waterproofing membrane to the corners, edges and joints to be waterproofed, achieving a thickness of approximately 1 mm. Whilst the membrane is still wet, apply the tape and pre-formed corner pieces, pressing firmly with a trowel to avoid leaving any gaps or creases. Ensure that the HydroPad waterproofing membrane has not formed a surface film that would prevent the tape from adhering. In the case of movement joints, the tape must be bent into an omega shape so that it can absorb the stresses; in this case, the waterproofing membrane must cover the sides of the tape. Extend the tape a few centimetres beyond any pre-formed corners. After bonding, it is essential to apply a second coat of waterproof membrane to ensure the tape and special components are completely covered. To ensure a perfect seal with the waterproofing membrane where services such as pipes, drains and light fittings pass through, use the special HydroCollar or HydroDrain sealing fittings, which should be bonded with HydroPad and subsequently covered with the second layer of the membrane. HydroBand Anti-Fracture tape can be bonded and covered with all Litokol cementitious waterproofing

products. Refer to the technical data sheets for the products listed before use.

Warnings

Do not walk on or move the bonded tapes until the HydroPad membrane has set
Do not use for applications not listed on this technical data sheet
For further information, please contact Litokol's Technical Customer Service on +39-0522-622811 or via customercare@litokol.com

Safety Information

In accordance with current European regulations (Reg. 1907/2006/EC – REACH), the product is classified as an article and does not require a safety data sheet.
PRODUCT FOR PROFESSIONAL USE

Legal notices

The information and specifications set out in this technical data sheet are based on our best experience. However, as we are unable to directly influence site conditions or the execution of the works, these are general guidelines which do not in any way bind our Company. We therefore recommend carrying out a preliminary test to verify the product's suitability for the intended use; in any case, anyone intending to use it is required to determine whether or not it is suitable for the intended use and, in any event, assumes all liability that may arise from its use. Always refer to the latest updated version of the Technical Data Sheet, available on the website www.litokol.com

Specification item

The waterproofing of wall-to-floor and wall-to-wall junctions, and the waterproofing of expansion joints in swimming pools, baths, fountains, terraces, balconies, showers, spas, hammams and damp areas where ceramic tiles, natural stone and mosaics are to be laid subsequently must be carried out using continuous, multi-layer, elastic, anti-fracture tape such as HydroBand by Litokol Lab SpA, bonded to the substrates with HydroPad, a breathable, tri-polymer waterproofing gel by Litokol Lab SpA.

Product details **No. 634**
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Litokol

Litokol Lab Spa Via G. Falcone 13/1 42048 Rubiera RE Italy
Tel. +39 0522 622811 info@litokol.com www.litokol.com