

## HIGH-PERFORMANCE SEALING TAPE HDB 10

- > Hot air weldable
- > High elongation at break
- > High adhesive tensile strength in combination with Epoxy Adhesive EK 30
- > Weather-resistant
- > For joints subject to heavy loads



### Product description

Murexin High-performance Sealing Tape HDB 10 is an elastic, UV, weather and chemical-resistant sealing tape based on flexible polyolefins (FPO) for creating heavily loaded joints and connections in building construction and civil engineering. It is used, for example, in tunnel construction, in sewage and waste water systems, in prefabricated construction and in multi-storey car parks and parking garages. The tape thickness is 1 mm.

#### Delivery format

Container	Outer packaging	Pallet
20 M / ROL	-	72 ROL
20 M / ROL	-	96 ROL

#### Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 365 days

### Processing

#### Recommended tools

spatula, trowel, notched trowel

#### Processing

Adhesion is carried out with Murexin Epoxy Adhesive EK 30. Processing information can be found in the corresponding product data sheet.

The overlap dimension of the strip should be 10 cm. The joining points/overlaps must be roughened in advance using sandpaper (80 grit). Cavity-free joining is performed using a hot air gun at a temperature of 340 °C. It is important to ensure that only the overlapping area's surface is melted!

The adhesive must be applied in advance to the area to be bonded (expansion zones must not be closed with adhesive), and the sealing tape must be applied without any cavities. To ensure this, spread the adhesive from the centre of the joint outwards.

If no covering is applied to the tape, it must be painted over with the adhesive (the expansion zone must be left free).

## Technical data

Chemical base	flexible polyolefins (FPO)
Density	~ 930 g/m <sup>2</sup>
Appearance	grey tape
Consumption	Epoxy Adhesive EK 30 strip width 20 cm: ~ 1.2 kg/running metres strip width 30 cm: ~ 1.8 kg/running metres
Certificates/test reports/class achieved	EN 13967
Shore A hardness	~ 85
Water vapour permeability	~ 60 metres
Waterproofing	method A 60 kPa, 24 hours: sealed method B 400 kPa, 72 hours: sealed
UV-resistance	> 6500 hours (EN ISO 4892-3)
Fire class	Class E
Temperature resistance	-30 °C to +90 °C
Chemical resistance	resistant to hydrochloric acid, sulphuric acid, citric acid, lactic acid, potassium hydroxide, sodium hypochlorite and salt water (other chemicals upon request)
Object and material processing temperature	see Murexin Epoxy Adhesive EK 30
Packaging unit	rolls of 20 metres
Tensile strength lengthways	method B: 15 N/mm <sup>2</sup>
Lateral tensile strength	method B: 15 N/mm <sup>2</sup>
Tear resistance longitudinal/lateral	260 N
Elongation at break longitudinal	method B: 620 %
Elongation at break lateral	method B: 670 %
Adhesive tensile strength on concrete	> 4 MPa (glued with Epoxy Adhesive EK 30)

## Substrate

### Suitable substrates

The substrate must be clean, solid, dry (concrete can be slightly damp) and free of adhesion-reducing components and old coats of paint. Poorly adhering components must be removed. Concrete must be at least 28 days old and have a surface peel strength of at least 1.5 MPa. Steel surfaces must be de-rusted to a degree of purity of SA 2 1/2. The substrate temperature must be at least +5 °C and at least +3 °C above the dew point temperature at the time of application.

## Product and processing instructions

### Material information:

- If processing outside the ideal temperature and/or humidity range, the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!

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## Screed and Mortar technology

- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.

### Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is +15 °C to +25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

## Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.

This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).