SERVICE-HOTLINE +49 375 2795 123

Joint Tape

Bitumen tape | Joint tape | Road construction | Joint formation | Temperature-reduced asphalt (TA)



Short information

- Permanently flexible joints between asphalt and asphalt, and between asphalt and concrete
- Excellent cold-bending behaviour and thermal stability
- Perfect integration with manhole covers, valve covers and hydrant caps
- Complies with TL/TP Fug-StB 24, performance class B

Consumption

- 1 m per linear meter

Storage note

- store cool and dry
- material is not sensitive to frost
- in originally sealed containers storable for 12 months

Complementary products

Priming
- BORNIT® Hot Compound Primer
- BORNIT® Hot Compound Primer Spray

Cleaning
- BORNIT® MultiClean
- BORNIT® MultiClean Spray
- BORNIT® Bitumen Cleaner

Follow-up products
- BORNIT® Joint Tape 7 CSA
- BORNIT® Joint Tape CSA

Content	Item	EAN code	Colour	sufficient for:
Joint Tape 50 x 10 31 m / box 24 box (744 m) / euro pallet	6900002704	4 017228 00735 9	black	approx. 31 m
Joint Tape 40 x 10 40 m / box 24 box (960 m) / euro pallet	6900002702	4 017228 00733 5	black	approx. 40 m
Joint Tape 35 x 10 48 m / box 24 box (1152 m) / euro pallet	6900002701	4 017228 00732 8	black	approx. 48 m
Joint Tape 40 x 8 48 m / box 24 box (1152 m) / euro pallet	6900002699	4 017228 00730 4	black	approx. 48 m
Joint Tape 30 x 10 63 m / box 24 box (1512 m) / euro pallet	6900002700	4 017228 00731 1	black	approx. 63 m
Joint Tape 35 x 8 63 m / box 24 box (1512 m) / euro pallet	6900002698	4 017228 00729 8	black	approx. 63 m
Joint Tape 30 x 8 73 m / box	6900002697	4 017228 00728 1	black	approx. 73 m

24 box (1752 m) / euro pallet



Areas of application

BORNIT® Joint Tape is used for new construction and rehabilitation of asphalt road surfaces, like:
- longitudinal connection of parallel traffic lanes
- connection with lateral connections and attachments
- connection with kerbstones and gutters
- transverse and longitudinal connections new to old in utility trench construction
- connection between existing and new top layer (cold-hot connections)
- connection to road installations, like manhole covers, valve covers and hydrant caps, road gullies

Product data in brief

Product type	fusible, bituminous joint tape
Base	polymer-bitumen, aggregates, special additives
colour(s)	black
Dimensions	30x 8 35x 8 40x 8 30x10 35x10 40x10 50x10 Other sizes on request.
Softening point acc. to cone/ring	>= +115 °C
storage	store cool and dry material is not sensitive to frost
Shelf life	in originally sealed containers storable for 12 months
Hazard class according to ADR	none
Cleaning	BORNIT® MultiClean Spray, BORNIT® MultiClean, BORNIT® Bitumen Cleaner
Flash point	> +200,0 °C
Cone penetration	20 - 50 > 0,1mm
Elastic resilience	10 - 30 %
Extensibility and adhesiveness at -10 °C	20

Type and properties

BORNIT® Joint Tape is a high-quality bituminous joint tape made from polymer-modified bitumen, characterised by the following material properties: easy to apply, secure adhesion to the respective substrate, flexible with excellent elongation properties, and permanently watertight. BORNIT® Joint Tape is used for joint formation and the sealing of connections in asphalt road construction. BORNIT® Joint Tape meets the requirements of TL Fug-StB 24, performance class B.

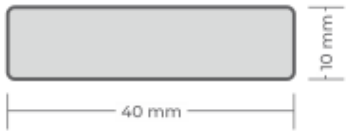
Surface

All substrates must be dry, clean, frost-free and free from substances that prevent adhesion (e.g. oils, greases, release agents). Loose particles must be removed and damp edges must be dried. When installing the mixture, care must be taken to ensure that the joint flanks have a uniform surface quality and are well compacted. Road surface installations must be cleaned. Before application, the joint flanks must be pre-treated with a primer – BORNIT® Hot Compound Primer Spray or BORNIT® Hot Compound Primer – to ensure good coverage. Allow the primer to dry for approx. 15 minutes and apply the joint tape immediately afterwards. The use of a primer is mandatory to ensure perfect adhesion and joint formation in accordance with TL Fug-StB 24.

Processing

To do this, lay out the BORNIT® Joint Tape, remove the release paper and cut to length. At the corners of a cut-out, the tape is butt-jointed. Once the primer has dried (approx. 15 minutes), the top of the joint tape is carefully heated with a propane torch until the surface becomes tacky. Place the heated joint tape against the joint face and press it onto the contact surface using a flat tool or by hand. The flexible bond with the hot asphalt to be applied subsequently is achieved by the melting of the joint tape in the joint area. Experience shows that the temperature of the asphalt surface to be laid is sufficient to heat a 10 mm wide tape continuously to +120 °C, thereby creating a secure bond. The joint tape must be installed with an overhang of approx. 5–10 mm (flush with the surface in the case of mastic asphalt) above the road surface and protected from being driven over by site traffic. After the hot mix has been laid, the protruding part of the joint tape is rolled smooth. This creates a rivet head on the surface, which provides additional sealing and a secure closure of the asphalt edge. If the delivered asphalt does not have the required laying temperature, the joint tape cannot melt completely. A secure seal of the joint connection is then not guaranteed!

Cross-section drawing:



Profile tolerances of up to 10% are due to manufacturing processes!

Note: In accordance with the applicable ZTV Fug-StB, the width of the joint tape must not be less than 10 mm. The use of joint tapes with a width of 8 mm must therefore be agreed in the specifications, and the client must be informed of this deviation from the applicable ZTV Fug-StB.

Consumption

1 m per linear meter

Health and fire protection, occupational safety

To ensure safe handling of the product, the physical, safety, toxicological and ecological information provided online, the information in the current safety data sheet and the additional information on the label must be read and followed before purchasing or using the product! The applicable regulations, ordinances and laws must be complied with.

In case of doubt, please contact the BORNIT® application technology department or the BORNIT® service hotline on +49 375 2795 123.

Warning notices

UN-number	No dangerous goods in the sense of the transport regulations.
Recommended, personal protective equipment:	

Disposal note

Material residues can be disposed of according to AVV-ASN: 170302 (bitumen mixtures, except for those falling under 170301).

Note

This data sheet supersedes all previous technical information relating to the product. Such information is therefore no longer valid. The details have been compiled in accordance with the latest state of the art in application technology. Please note, however, that depending on the condition of the building, it may be necessary to deviate from the working methods recommended in this data sheet. Unless otherwise agreed in an individual contract, all information contained in this data sheet is non-binding and therefore does not constitute an agreed product specification. We reserve the right to make changes to the information contained in this data sheet at any time. We recommend that you check our website www.bornit.de for any updates.

The product illustrations are to be regarded as examples. No legally binding claim can be derived from them. We reserve the right to make changes to the product's appearance.

Our packaging complies with the relevant legal requirements and with Regulation (EU) 2025/40 on packaging and packaging waste (PPWR). The technical documentation in accordance with Annex VII is available and can be provided on request by emailing info@bornit.de.