

Corabit®

JOINT TAPE



Tested according ZTV Fug-StB 15

Fusible joint tape for safe joints in asphalt road construction.

ROAD CONSTRUCTION

ORIGINAL
kebu®

Corabit® JOINT TAPE

GENERAL INFORMATION

Quality and lifespan of bitumen surfaces significantly depend on proper construction of the often inevitable joints.

Joints occur with the following measures:

- ✓ Surface reconstruction due to underground works (connection to existing pavement)
- ✓ Repair and rehabilitation of pavement failures
- ✓ New construction and maintenance within the whole road network (work joints, longitudinal joints, edge joints)

These joints are exposed to high stresses like:

- ✓ Traffic load
- ✓ Weathering
- ✓ Material contraction

Without suitable joint material the joints will burst eventually. Penetrating water and frost cause increasing deterioration of the surface and require high technical and economic expenditure for rehabilitation or reconstruction. Excellent joints of asphalt pavements are the prerequisites for durability, road safety and driving comfort. Fusible joint tapes fulfil these requirements.

The corresponding regulations are:

- ✓ ZTV Fug-StB
Additional technical specification in construction contracts and regulations for joints in traffic areas
- ✓ ZTV Asphalt StB
Additional technical specification in construction contracts and regulations for asphalt pavements
- ✓ ZTV A StB
Additional technical specification in construction contracts and regulations for excavations in traffic areas
- ✓ ZTV BEA-StB
Additional technical specification in construction contracts and regulations for maintenance of traffic areas – asphalt construction

PRODUCT DESCRIPTION

Das **Corabit® Joint Tape** is a fusible joint tape designed for road construction. It is tested according to ZTV Fug-StB 15 and fulfils all the requirements of the TL Fug-StB 15. In composition with **Corabit® FB-Primer**,

Corabit® Joint Tape forms a so-called "soft joint". It counteracts tearing and therefore increases the lifespan of the pavement. **Corabit® Joint Tape** is suitable for processing with asphalt concrete and mastic asphalt.

FIELDS OF APPLICATION

- ✓ Road construction and surface maintenance
 - Work joints
 - Longitudinal joints
 - Edge joints
 - Connection to curbs or gutters
- ✓ Underground works
 - Joints between existing and new surface
- ✓ Surface repair
 - Joints between old and new
- ✓ Built-in components
 - Joints to manhole covers, gate valve and hydrant caps, storm drains joints to tram rails

Corabit® JOINT TAPE

APPLICATION INSTRUCTIONS

Preparation of the joint edges

According to the requirements of ZTV Fug-StB 15 make sure the edges are dry, clean and free of dust. Use a primer that is part of the system. To enhance adhesion always use **Corabit® FB-Primer**. Spread or spray **Corabit® FB-Primer** properly and let it cure at least 3-5 minutes, depending on the weather.

Dimensioning of **Corabit® Joint Tape**

Height:

- ✓ For surface reconstruction with asphalt concrete: thickness of surface layer + 5 mm
- ✓ For mastic asphalt or new constructions of asphalt concrete paving using machines: thickness of the surface layer

Thickness:

- ✓ The width of the joint and therefore the thickness of the joint tape have to be at least 10 mm

APPLICATION

Lay out **Corabit® Joint Tape** and cut it to the length needed. The tape shall be buttjoined in the corners of the treated field. Remove the release layer and heat one side of the tape using a propane flame until the surface

is soft and sticky. Press the activated side of the tape against the seam edge. Heating is essential to reach the desired adhesion and sealing.

SURFACE RECONSTRUCTION

Asphalt concrete paving

- ✓ Lay out metal rails
- ✓ Pour and squeegee mixture
- ✓ Remove residue from existing surface
- ✓ Rolling (first the joints – then the area)

Mastic asphalt paving

- ✓ Pour and squeegee mixture
- ✓ Cover with stone chippings

For further details relating to the construction of asphalt surfaces refer to the additional technical specifications in construction contracts and regulations for asphalt pavements (ZTV Asphalt-StB).

In particular observe the information on weather conditions and mixture temperatures.

FORMS OF DELIVERY

Corabit® Joint Tape

Pallet packaging 30 boxes/ Euro pallet 800 x 1200 mm

Available sizes:

| Tread/mm | m/box | m/pallet |
|----------|-------|----------|
| 30 x 8 | 48 | 1440 |
| 35 x 8 | 48 | 1440 |
| 40 x 8 | 48 | 1080 |
| 30 x 10 | 40 | 1200 |
| 35 x 10 | 40 | 1200 |
| 40 x 10 | 30 | 900 |
| 45 x 10 | 30 | 900 |

Other sizes in demand

Corabit® FB-Primer

in containers of

| | |
|-------|---------|
| | 1 ltr. |
| | 5 ltr. |
| | 10 ltr. |
| Spray | 600 ml |

Transportation instructions according to the relevant requirements.

TECHNICAL SPECIFICATIONS **Corabit**[®] JOINT TAPE

| No. | Type of test | Testing acc. to Tp Fug-StB 15 Segment no | Unit | Requirement | Result |
|-----|---|--|---------------|--|---|
| 1 | Ash content | 5.4.2 DIN 52005 | [% by weight] | Test value must be indicated | 50 |
| 2 | Softening Point ring and ball | 5.4.3 DIN EN 1427 | [°C] | ≥ 90 | ≥ 120 |
| 3 | Cone penetration | 5.4.4 DIN EN 13880-2 | [1/10mm] | 20-50 | 30 |
| 4 | Elastic recovery | 5.4.5 DIN EN 13880-3 | [%] | 10-30 | 25 |
| 5 | Flexibility at low temperatures | 5.4.6 TP Fug-StB | [°C] | ≤ 0 | -10 |
| 6 | Adhesive force and expansibility at -10°C | 5.5.2 DIN EN 13880-13 | [Mpa] | ≤ 1 No loss of the adhesive strength | 0,40 No loss of the adhesive strength |

All data and statements correspond to the current technical standard, but confer no legal entitlement. Technical changes reserved.

kebu is certified to be in conformance with DIN EN ISO 9001.

We are member of DVGW, KRV and GKR and supply state-of the art products only. All products are subject to constant supervision of external institutes.

Product quality and customer satisfaction are paramount in our policy. We work for you and with you to find tailor-made solutions and accompany you throughout the process.

Visit us at www.kebu.de to learn more about us and our products.

The information given in this publication is based on our knowledge and experience. The hints and instructions for use given therein have been compiled to the best of our knowledge on the basis of our tests and experience. Best results will be obtained if our products are used in a proper and expert way. Any protected rights and existing laws and regulations must be complied with the recipient of our products under own responsibility. In all other respects our general terms and conditions shall apply.