

# Corabit®

## KK-JOINT TAPE



Tested according ZTV Fug-StB 15  
Cold adhesive joint tape for safe joints in asphalt road  
construction.

ROAD CONSTRUCTION

ORIGINAL  
**kebu**®

# Corabit® KK-JOINT TAPE

## GENERAL INFORMATION

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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. Cold adhesive joint tapes fulfil these requirements.

## PRODUCT DESCRIPTION

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**Corabit® KK-Joint Tape** is a cold adhesive, bitumen based and co-extruded joint tape designed for road construction. The adhesive film consists of polymer-modified bitumen.

It is tested according to ZTV Fug-StB 15 and fulfils all the requirements of the TL Fug StB 15. In composition with **Corabit® VG-Primer**, **Corabit® KK-Joint Tape** forms a so-called "soft joint". It counteracts tearing and therefore increases the lifespan of the pavement.

**Corabit® KK-Joint Tape** is suitable for processing with asphalt concrete and mastic asphalt.

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

## FIELDS OF APPLICATION

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- ✓ 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® KK-JOINT TAPE

## APPLICATION INSTRUCTION

### 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® VG-Primer!** Spread or spray **Corabit® VG-Primer** properly and let it cure at least 3-5 minutes, depending on the weather.

### Dimensioning of **Corabit® KK-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® KK-Joint Tape** with the adhesive side on top and cut it to the length needed. Remove the release layer just before the application and press the cold adhesive side of the joint. For surface

reconstruction with asphalt concrete an overlap of tape of 5 mm is necessary.

## 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® KK-Joint Tape**

Pallet packaging

30 boxes / Euro pallet 800 x 1200 mm

Available sizes:

Tread/mm	m/box	m/palet
25 x 8	60	1800
30 x 8	48	1440
35 x 8	48	1440
40 x 8	36	1080
30 x 10	40	1200
35 x 10	40	1200
40 x 10	30	900

Other sizes in demand

### **Corabit® VG-Primer** In Containers of

1 ltr.

5 ltr.

10 ltr.

Transportation instructions according to the relevant requirements.

## TECHNICAL SPECIFICATION

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 15	[°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.

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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

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