Get it done:

Application instructions

Tape B 200/A

remmers

Digital brochure

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Remmers Tape B 200/A
Range of joint tapes for secure waterproofing of movement joints

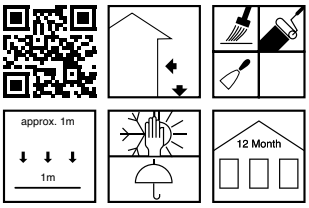
Joint tape for secure waterproofing of movement joints based on thermoplastic elastomers (TPE)

Tape B 200/A

Joint tape / internal and external corner based on flexible polyolefins for waterproofing movement joints

Range of use	▪ Waterproofing movement and construction joints in areas subjected to especially high stresses, e.g. components in wastewater areas (special agreement required)
Property profile	▪ Permanent waterproofing ▪ Resistant to dilute acids and alkalis, and salt solutions
Application rate	▪ 1 m/m

Quantity per pallet		**2500**	**500**	**500**
Size / quantity		**1 roll**	**25 pcs Carton**	**25 pcs Carton**
Container type		L: 20 m H: 200 mm	L/W: 250 mm H: 125 mm	L/W: 250 mm H: 125 mm
Container code		01	01	01
	Art. no.			
Tape B 200/A	4807	■		
Tape B 200 IC (Internal Corner)	4809		■	
Tape B 200 EC (External Corner)	4810			■



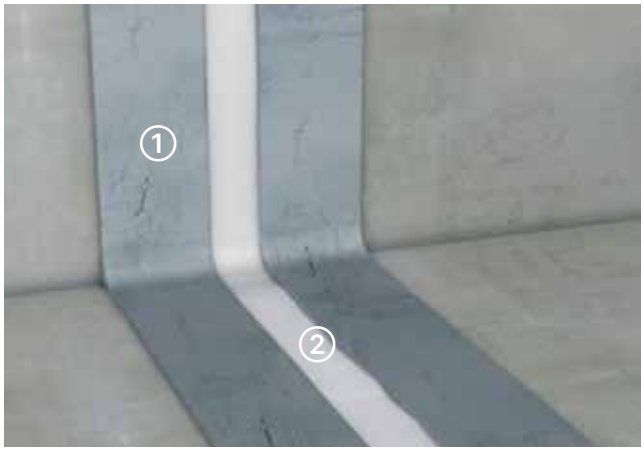
System products	**Art. no.**
Epoxy MT 100	(0936)
Epoxy FAS 100	(0916)

Range of use

Tape B 200/A is extremely high-wearing. It is also highly resistant to mechanical, chemical and thermal stresses, while still being flexible for secure waterproofing of building elements. Pre-assembled internal and external corners – Tape B 200 IC and Tape B 200 EC – are available for precise working in corners. This completely eliminates the need for laborious modifications and cutting. We focus on safety by setting standards in material selection, dimensions and uniform design through pre-assembly.

Properties

- ✓ Water-tight according to DIN EN 1928
- ✓ Impact-resistant according to DIN EN 12691
- ✓ Statically resilient according to DIN EN 12730
- ✓ Heat ageing stable according to DIN EN 1296
- ✓ Resistant to chemicals according to DIN EN 1847
- ✓ Resistant to liquid manure, slurry, silage according to DIN EN 1847
- ✓ Root-proof according to DIN 4062
- ✓ Compatible with bitumen according to DIN EN 1548
- ✓ Flexible
- ✓ Reaction to fire: Class E



① Tape B 200/A
② kip® 328 Woven Fabric Extra Adhesive Tape

Waterproofing joints with the Tape B 200/A series

Movement joints are all types of joints that allow movement between building components and relieve stresses. Damaging stress cracks are caused by differences in movement of adjacent surfaces due to thermal expansion, moisture absorption or load-related changes in position and length. Therefore, reliable waterproofing of movement joints must not restrict their mobility on the one hand, and on the other hand the waterproofing must be durable.

The Tape B 200/A series from Remmers adapts flexibly to the conditions of the joint structure and ensures secure and reliable waterproofing. For a durable waterproofing, a movement joint is prepared with elastic PE round cord in a suitable diameter. This prevents unwanted sealing material from getting into the joint. The surfaces adjacent to the joint are then prepared with epoxy resin for waterproofing with Tape B 200/A. The joint tape is laid in the fresh adhesive bed and then epoxy resin is applied again. This means that the joint itself is always free of adhesive material. The joint is waterproofed securely with Tape B 200/A.

APPLICATION STEPS

Waterproofing joints with the Tape B 200/A series

① PREPARATION/SUBSTRATE REQUIREMENTS

Stable, clean and dust-free.
Mineral-based, even surface.

Preparation:

Remove burrs and mortar residue. Chamfer or break edges and corners.

② BACKFILLING THE JOINTS

Take round cord of the required diameter and insert into the joint.

Diameter	Art. no.
6 mm	4260
10 mm	4261
15 mm	4262
20 mm	4263
25 mm	4264
30 mm	4265
40 mm	4266

For demonstration reasons, the material colour of the round cord shown in the image (white) does not match the material colour of the product 4262 (black).

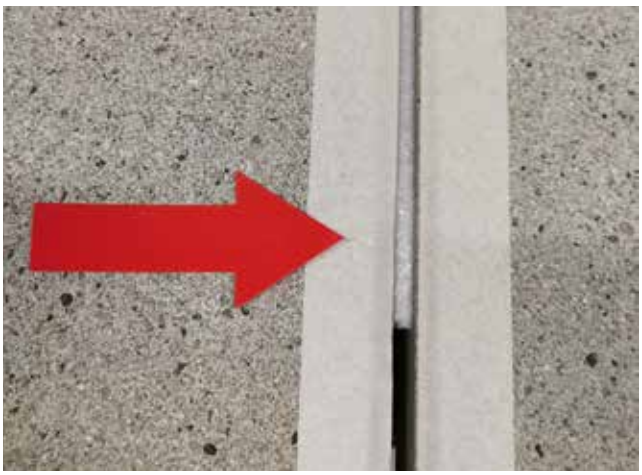
③ ALIGNMENT OF THE BACKFILLING/ROUND CORD

Take particular care when working the round cord into corner regions.

4 DEFINING THE WATERPROOFING AREA/MASKING

Use adhesive tape to define the waterproofing area.

For demonstration reasons, the material colour of the round cord shown in the image (white) does not match the material colour of the product 4262 (black).



5 SECURING FLEXIBLE SURFACES/ TAPING

Set up a flexible zone that is free of epoxy resin adhesive to accommodate movement (red arrow).

6 MIXING AND APPLYING THE EPOXY RESIN ADHESIVE BED

Create a stable, ready-to-use mixture of epoxy resin and thixotropic agent:

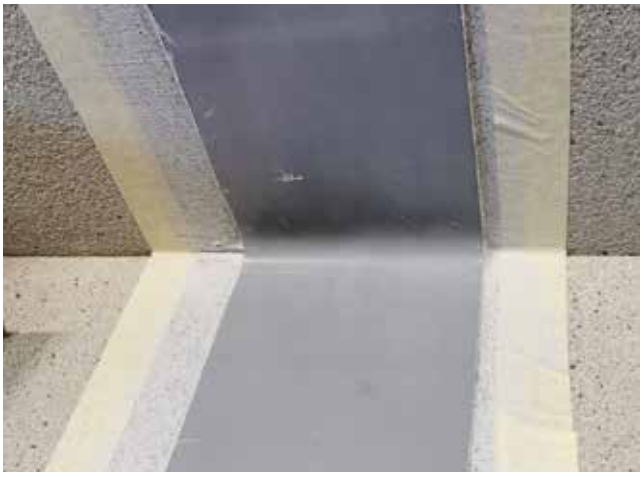
- ✓ Epoxy MT 100 or Epoxy FAS 100 &
- ✓ Add TX

Depending on the desired material configuration of the epoxy resin, add hardener (comp. B to comp. A) and mix intensively. Then add the thixotropic agent Add TX (approx. 1–10% by mass) to achieve the desired consistency. Apply the prepared epoxy resin mixture to the substrate as a bonding layer. Required layer thickness approx. 2 mm.

Waterproofing joints with the Tape B 200/A series

7 REMOVING THE ADHESIVE STRIP COVERING THE JOINT

The adhesive tapes in the region of the movement joint are then removed.

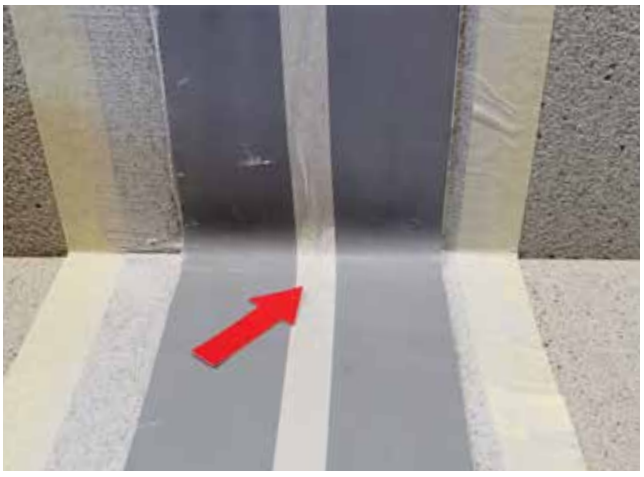


8 APPLICATION OF TAPE B 200/A

Apply Tape B 200/A onto the fresh epoxy resin adhesive bed, smoothing out any air bubbles.

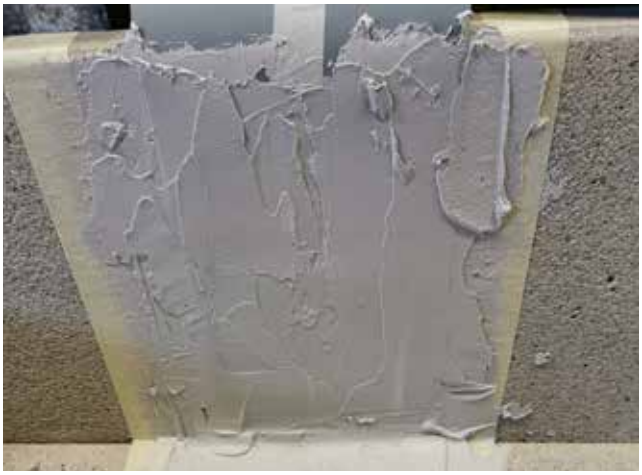
Attention!
Work in Tape B 200/A from inside to outside, i.e. from the joint in the direction of the adhesive bed, using a smoothing trowel. In this way, the movement joint remains free of epoxy resin adhesive. Tape B 200/A can be hot-welded with standard hot air blowers.

Attention!
Set the lowest possible temperature!
Roughen the areas for welding.



9 PROTECTING THE JOINT/SECOND APPLICATION OF ADHESIVE TAPE

After applying Tape B 200/A, use adhesive tape to mark out the joint course again. This ensures the creation of a flexible zone along the entire joint.



10 APPLYING EPOXY RESIN MIXTURE

Apply epoxy resin mixture over the entire surface of the Tape B 200/A, layer thickness approx. 1–2 mm.

11 REMOVING THE ADHESIVE TAPE

Immediately after applying the epoxy resin mixture over the entire surface, all adhesive tape is removed (Outer limits and joint profile).

12 EXPANSION ZONE FREE OF EPOXY RESIN

The sealed movement joint is free of epoxy resin and is securely waterproofed with Tape B 200/A.

APPLICATION STEPS

Creating hollow coves

Waterproofing with the Tape B 200/A series on component transitions

Component transitions, such as internal corners, can lead to stresses and structural disruptions of the waterproofing layer due to the different forces acting on them and therefore always represent a critical area for waterproofing. Material shrinkage, mechanically acting forces in the substrate or thermal length changes lead to cracks in the waterproofing layer, especially at component transitions. For reliable application of Tape B 200/A at component transitions, especially corners, we recommend creating an angle fillet. Due to stiffness and residual stress, corner applications require special attention during execution.

WATERPROOFING AT COMPONENT TRANSITIONS

Create an angle fillet from WP DKS rapid [basic] or mortar from the Betofix series, then coat with Epoxy MT 100. The individual application steps are described in detail below.

Radius = approx. 5 cm

① PREPARATION/SUBSTRATE REQUIREMENTS

Stable, clean and dust-free.
Mineral-based, even surface.

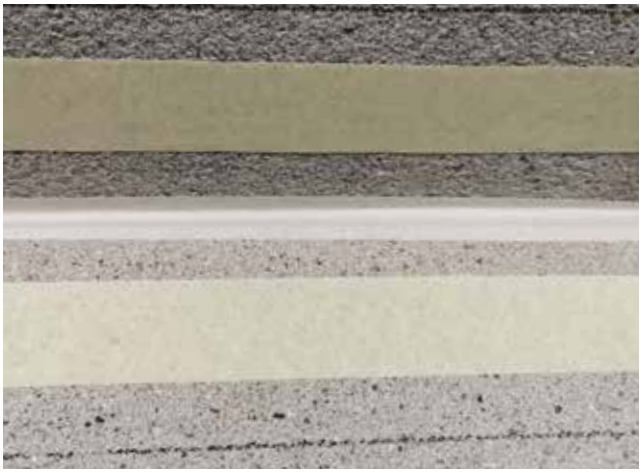
Preparation:
Remove burrs and mortar residue. Chamfer or break edges and corners.

② INSERTING THE ROUND CORD

For demonstration reasons, the material colour of the round cord shown in the image (white) does not match the material colour of the product 4262 (black).

3 PROTECTING THE JOINT/ROUND CORD

Use adhesive tape to mask off the joint course prepared with round cord.



4 MASKING THE PERIMETER OF THE ANGLE FILLET

Use adhesive tape to mask off the perimeter of the angle fillet.

5 CREATING THE ANGLE FILLET

Create the angle fillet using WP DKS rapid [basic] or a mortar from the Betofix product line.

APPLICATION STEPS

Creating hollow coves

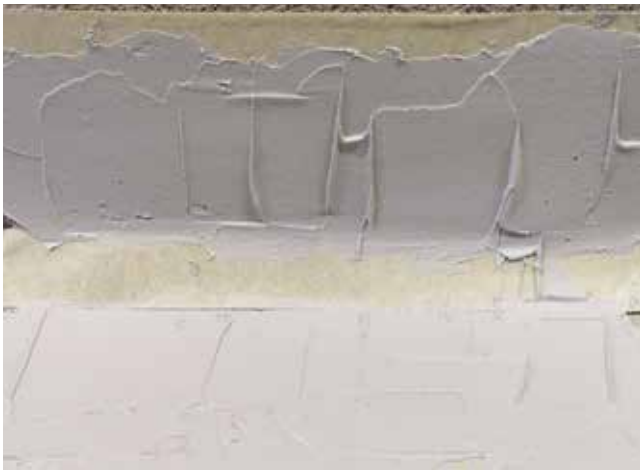
6 CONFIGURATION OF THE ANGLE FILLET

The radius of the angle fillet must be at least 50 mm.

Radius ≥ 50 mm

7 MASKING OFF THE ANGLE FILLET WITH ADHESIVE TAPE

Approx. 15 minutes after creating the angle fillet from WP DKS rapid [basic] or a mortar from the Betofix product line, apply an adhesive strip to the hollow cove.



8 CREATING THE ADHESIVE BED FOR TAPE B 200/A

Apply an adhesive bed of epoxy resin, consisting of Epoxy MT 100 or Epoxy FAS 100 with thixotropic agent ADD TX NEW, along the hollow cove prepared with adhesive tape.

Attention!
Do not apply material over the expansion area in the region of the masking.

9 REMOVING THE ADHESIVE TAPE

When the adhesive tape is removed, the entire expansion area remains flexible because it is free of epoxy resin mixture.

10 APPLICATION OF TAPE B 200/A

Apply Tape B 200/A onto the fresh adhesive bed. Push down on the joint tape from the centre of the hollow cove to the outside with light pressure.

Mask off the expansion zone again with adhesive tape. This ensures the creation of a flexible zone along the entire joint.

11 FINISHING WORK ON THE MOVEMENT JOINT

Even if the mortar fractures along the course of the angle fillet, the joint is reliably protected by Tape B 200/A.

12 APPLYING EPOXY RESIN MIXTURE

Apply epoxy resin mixture over the entire surface of the Tape B 200/A, including the joint protected with adhesive tape, layer thickness approx. 1–2 mm (see also figure 10, p. 7 joint waterproofing).

13 REMOVING THE ADHESIVE TAPE

Immediately after applying the epoxy resin mixture over the entire surface, all adhesive tape is removed: Outer perimeter marking and joint course (see also figure 11, p. 7 joint waterproofing).

14 EXPANSION ZONE FREE OF EPOXY RESIN

The sealed movement joint is free of epoxy resin and is securely waterproofed with Tape B 200/A.

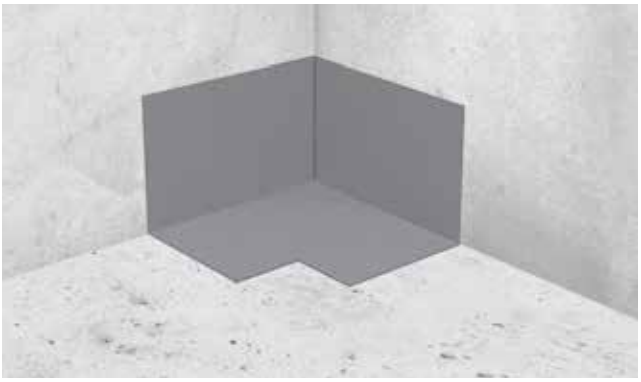
Prefabricated internal/external corners

Water-tight sealing of building corners with prefabricated internal and external corners
Tape B 200 IC & Tape B 200 EC

The advantages of prefabricated internal and external corners
Prefabricated internal and external corners are not just practical and time-saving when it comes to application; they also guarantee the reliability of the waterproofing.

- ✓ Prefabricated, self-adhesive corners
- ✓ No fabrication required on site
- ✓ Quick and easy installation
- ✓ Self-adhesive and/or sealable
- ✓ Uniform waterproofing of building corners
- ✓ Safe and reliable installation! No leaks due to adjustments on site

Application of Tape B 200 IC
Depending on the installation situation, position Tape B 200 IC or Tape B 200 EC so that it fits snugly in the corner, pull off the self-adhesive film, and press down. Always work from the centre to the outside, pushing with light pressure.



Products used

Range of joint tapes for secure waterproofing of movement joints

JOINT TAPE

Tape B 200 IC
Internal corner in the system Tape B 200/A.
L/W: 250 mm H: 125 mm
Art. no. 4809

Tape B 200 EC
External corner in the system Tape B 200/A.
L/W: 250 mm H: 125 mm
Art. no. 4810

PRODUCT OVERVIEW

Products used

Products used from the joint tape series for reliable waterproofing of movement joints

JOINT TAPE

Tape B 200/A
Joint tape / internal and external corner based on flexible polyolefins for waterproofing movement joints
Art. no. 4807

PRIMER

Epoxy MT 100
Fast-acting primer for slightly damp substrates
Art. no. 0936

Epoxy FAS 100
Substrate-tolerant special primer
Art. no. 0916

ADD TX NEW
Polymer-modified thixotropic agent
Art. no. 0949

ACCESSORIES

Round Cord
Highly elastic, closed-cell PE foam strands
Art. no. 426201

Products used

Products used from the joint tape series for reliable waterproofing of movement joints

MORTAR

Betofix R4
Fibre-reinforced PCC (RM) for static repair of concrete structures
Art. no. 1096

WP DKS rapid basic
Quick-setting waterproofing filler
Art. no. 0423

Betofix RM
Fast repair mortar PCC (RM) for repairing concrete structures
Art. no. 1092

Betofix R2
Fast repair mortar PCC (RM) for repairing concrete structures
Art. no. 1093

TOOLS

Smoothing trowels

Standard,
rounded, duo
Art. no. 400401

Pro nylon roller

Roller for applying liquid and
thixotropic products
Art. no. 504001

Roller handle

Galvanised steel bar with plastic handle
Art. no. 444501

Telescopic handle

Extendable from 120 to 200 cm
Art. no. 439101

1107/01.25 EN

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