FloorBridge ® CP 20/80

Heavy-duty, prefabricated polymer floor joint profile in carbon fiber composite construction with coating flange

Product characteristics:

- metal-free
- watertight system design possible (with FB sealing membrane)
- perfect coating connection due to recessed connection flange
- similar coefficient of thermal expansion as with reactive resin floors
- replaceable expansion insert without damaging the parking deck coating
- low installation height
- easy installation
- hardly any vibrations are felt when driving over it with a car or truck
- individual colour design (coatable)

Technical specifications:

Width of joint profile:	approx. 260 mm
Length of joint profile:	approx. 1200 mm installed (1195 mm net)
Thickness of joint profile:	approx. 20 mm
Joint width in substrate:	max. 80 mm
Contamination seal:	approx. 20 mm (depending on the version)
Total horizontal joint movement:	50 mm (-10/+40 mm)
Operating temperature range:	-25°C to a maximum of +40°C (if lower or higher temperatures consult the material manufacturer)
Grindable:	max. 2 mm
Load (Truck):	600 kN (DIN 1072)
Fire classification:	Bfl-s1 (hardly inflammable)
Colour:	grey
Packaging (euro-pallet):	84 pcs. à 1,20 m, total: 100,8 m

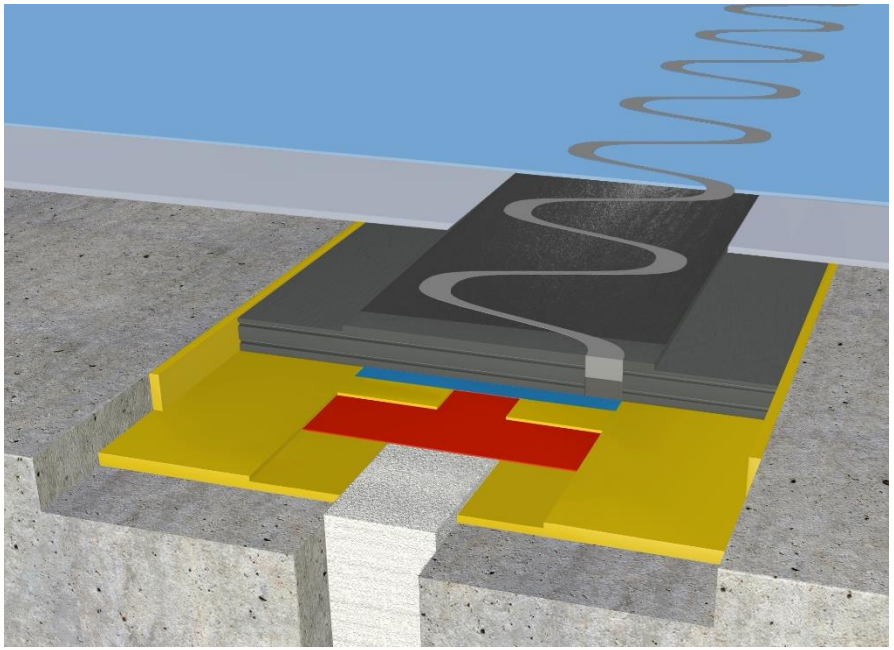
The installation must be carried out by trained specialists!

Fields of application:

Multi-storey and basement car parks

Explanation:

The joint movements of the components must be calculated by a specialist (structural engineer / planner) and made available to all parties involved. The load specifications do not apply to the floating installation variant.



Joint movement (examples):

Joint width in concrete subsurface	Positive joint movement	Negative joint movement
10 mm	+ 50 mm	– 10 mm
15 mm	+ 47 mm	– 15 mm
20 mm	+ 45 mm	– 15 mm
25 mm	+ 42 mm	– 15 mm
30 mm	+ 40 mm	– 15 mm
35 mm	+ 37 mm	– 15 mm
40 mm	+ 35 mm	– 15 mm

Note:
Joint width in concrete subsurface indicates the width of the gap in the concrete below FloorBridge® joint profile during placing.
Positive joint movement is the amount the gap can open, compared to its original width during placing of FloorBridge® joint profile.
Negative joint movement is the amount the gap can close, compared to its original width during placing of FloorBridge® joint profile.
Do not exeed the maximum positive joint movement capacity, otherwise the teeth of FloorBridge® joint profile become unsupported below and may break.

Substrate quality, preparation and processing:
Refer to the FloorBridge® Installation Manual.

Application instructions:
Please refer to the product data sheet of the composite adhesive FloorBridge® series used in the installation and/or the FloorBridge® Installation Manual.

Cleaning of tools:
Please refer to the product data sheet of the composite adhesive used in the installation.

Notes on application / limitations:
No vertical movements may occur in the concrete slabs at the joint area. If there is a vertical movement of the concrete slabs in the joint area, this must be repaired before the joint repair by suitable measures such as anchoring, pinning, etc. or ground solidification (cement paste injections or the like); this is absolutely necessary for the stability of the concrete slab!
Settlement of the ground or adhesive in the joint area can cause cracks in the FloorBridge® joint profile. These cracks do not constitute a defect, since they do not affect the viability and usability.
The prefabricated joint profile can be delivered without or with different dirt brakes depending on requirements. (Compriband or grout) Depending on the joint movement, the dirt brake can swell out, sink or split. However, this has no effect on the technical usability of the FloorBridge® joint profile since the dirt brake is intended to reduce the contamination.

Joint sealants in parking garages or industrial floor areas are subject to increased wear and therefore are considered as "maintenance joints". This maintenance joint serves for better cleanability of the joint profile and is not permanently impermeable. The dirt brake should be periodically checked, cleaned and, if necessary, renewed.
The dirt brake itself must not be sealed/coated. If waterproofing is required, a sealing tape from the FloorBridge® series must be installed under the FloorBridge® joint profile.
As the FloorBridge® joint profile changes colour when exposed to UV-radiation, it must be sealed with a suitable protective coating, if colour stability is required. In the event of very high temperature changes, cracking in the butt joint (adhesive) may occur in the abutting area of the individual profiles. This does not affect the trafficability and tightness of the system and therefore does not affect the usability. FloorBridge® joint profiles may be crossed at a maximum speed of <30 km / h.

If the joint profile has been ground too deep, FloorBridge® International GmbH will not be held liable. No liability is assumed for the case of non-intended use or installation.

Attention!
Passive transponders are processed in this product for product tracing. These can cause malfunctions in driverless transport systems (self-propelled forklifts). If necessary, consult the manufacturer – depending on the application/requirement, the profiles can also be obtained without transponders.

Storage conditions:
The FloorBridge® joint profile must be stored horizontally and fully horizontal indoors at temperatures between +5°C and +35°C.

Value Base:
All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Ecology, health and safety information (reach):

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 REACH). It does not contain substances that are released from the product during normal use. A safety data sheet following article 31 of the same regulation is not needed to bring the product onto the market, to transport or use it. For safe use follow the instructions given in this product data sheet.

Based on our current knowledge, this product does not contain any SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency ECHA in concentrations above 0.1% (w/w).

Legal notes:

The information, and, in particular, the recommendations relating to the application and end-use of FloorBridge® products, are given in good faith based on the current knowledge and experience of FloorBridge® International GmbH about the products, and apply if properly stored, handled and under normal conditions in accordance with FloorBridge® International GmbH recommendations.

In practice, the differences in materials, substrates and deviating working conditions are so substantial, that FloorBridge® International GmbH shall neither accept any warranty nor liability for a particular merchantability or suitability for a particular purpose, neither derived from this information nor from a written recommendation or any other advice offered. The user of the product must verify the product's suitability for the intended purpose of use.

FloorBridge® International GmbH reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to final confirmation and subject to our current terms and conditions regarding sales and deliveries.

Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of FloorBridge® International GmbH.