



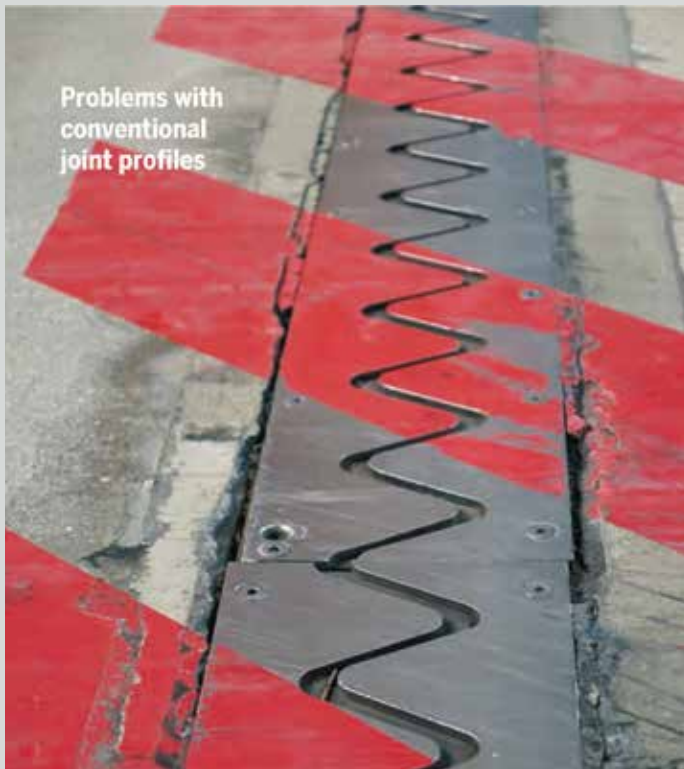
USL
StructureCare

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FloorBridge® 

Carbon Fibre Reinforced Composite Floor Joint Profiles

For Industrial Floors, Production Facilities, Hospitals
and Warehouses



On Soft and Smooth Soles! FloorBridge® Joint Profiles - The perfect and permanent solution for floor joints

In industrial areas, floor joints are subjected to heavy duties when driven over with Materials Handling Equipment (MHE), such as forklifts.

If the built-in floor profiles are not absolutely flat, in addition to noise, extreme impact is also created on the wheel bearings and last but not least on the backs of the forklift drivers.

High stress on man and machine is the result, which often leads to the sickness of the affected employees and expensive repairs to forklifts.

The FloorBridge® Joint Profile in carbon fiber composite technology is the ideal solution for both, new construction projects and during refurbishment. The installation is carried out with little effort and within a very short time period, ensuring that a low-noise and a low-vibration crossing with all conceivable transport equipment becomes possible, from the patient trolley to the sophisticated VNA-forklift.

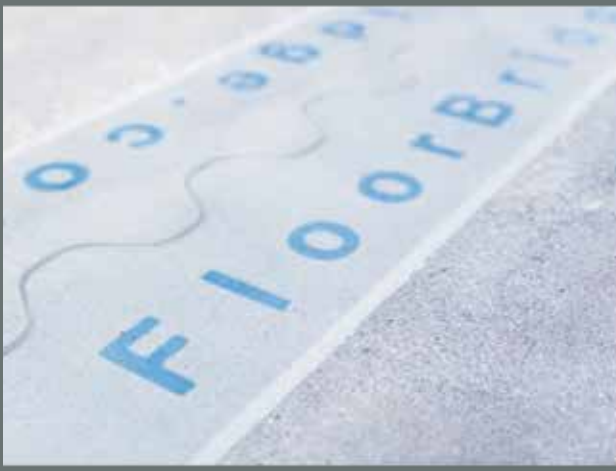
As the FloorBridge® Joint Profile can be grinded several times, it can be optimally adapted to the existing floor levels, creating a permanent solution for previously experienced joint problems.

Owing to its metal-free properties and its high chemical resistance, the FloorBridge® - Joint Profiles are of course rust-free and have a high chemical resistance.

Besides the simplicity of its installation, another key feature is the low installation height which makes the FloorBridge® - Joint Profiles ready to take traffic after only a few hours.

A real novelty of the FloorBridge® - Joint Profiles is the range of colour designs with floor coatings to suit individual customer requirements.

- Perfect permanent solution for joint problems
- Can be grinded several times
- Metal-free, therefore rust-free
- Suitable for heavy duty traffic
- Optimum coating connection due to recessed connection flange
- Individual color design
- High driving comfort with reduced cost on MHE's
- Back-friendly solution for forklift drivers
- Proven higher reliability and longer service life of the MHE's (forklifts, lift trucks, etc.)
- Can be driven on after a few hours - in all areas during ongoing operations
- Prefabricated
- Fast delivery, stock item



The benefits need to be seen to be believed!





1. Concrete floor slab
2. Structural adhesive
3. Coating
4. Joint profile WGX 20/50



FloorBridge® WGX 20/50 Joint Profile for wide joints

Profile Description

The FloorBridge® Joint Profile WGX 20/50 is a prefabricated polymer floor joint profile in carbon fiber composite technology with high mechanical strength. Its wave-shaped joint profile design allows for improved load distribution, resulting in minimized vibrations under traffic loads (forklift, car, truck, hospital trolley, etc.). The joint profile is suitable for an existing floor joint width of up to 50mm. A water-tight connection to coatings, concrete or asphalt can be achieved.

Fields of Application

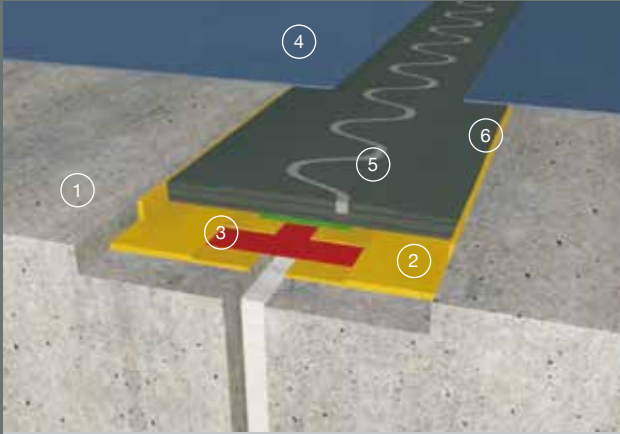
Joint profile for new constructions and for the refurbishment of floor joints in warehouse facilities and high-rack warehouses, industrial buildings, production facilities, shopping centers, supermarkets, hospitals and laboratories as well as in the pharmaceutical and food industry.

Features / Advantages

- Can be grinded several times
- Can take heavy load traffic
- Hardly noticeable vibrations under traffic with cars or MHE's (i.e. forklifts)
- Back-friendly for forklift drivers
- High driving comfort
- Reduced MHE-cost (wheel bearings, tyres, etc.)
- Similar coefficient of thermal expansion as with reactive resin floors
- A seamless and tight coating connection can be achieved
- Low installation height
- Simple installation
- High chemical resistance
- Food safe
- Temperature- and weather resistant
- Partial, fast repair possible
- Metal-free, therefore cannot corrode
- Special rapid application can be driven on after a few hours

Technical Data

| | |
|----------------------------------|--|
| Width of joint profile: | approx. 255 mm |
| Length of joint profile: | approx. 1200 mm installed (1195 mm net) |
| Thickness of joint profile: | approx. 20 mm |
| Joint width in the substrate: | max. 50 mm |
| Contamination seal: | approx. 15 mm (depending on design variation) |
| Total horizontal joint movement: | 30 mm (-10/+20 mm) |
| Compressive strength: | 80 N/mm ² (ONR 23303) |
| Tensile bending strength: | 60 N/mm ² (DIN EN 196-1) |
| Load: | Wheel Load 6,000 kg per 10 cm ² supporting area |



1. Concrete floor slab
2. Structural Adhesive
3. Sealing membrane (optional)
4. Coating
5. Joint profile RC 20/30
6. Recessed coating flange



FloorBridge® RC 20/30 The aesthetic joint profile for coatings

Profile Description

The FloorBridge® Joint Profile RC 20/30 is a prefabricated polymer floor joint profile in carbon fiber composite technology with coating flange. Its wave-shaped joint profile design allows an improved load distribution, resulting in minimized vibrations under traffic loads (forklift, car, truck, hospital trolley, etc.). The joint profile is equipped with a recessed coating flange along both sides, allowing for a perfectly seamless coating connection in this transition area.

Fields of Application

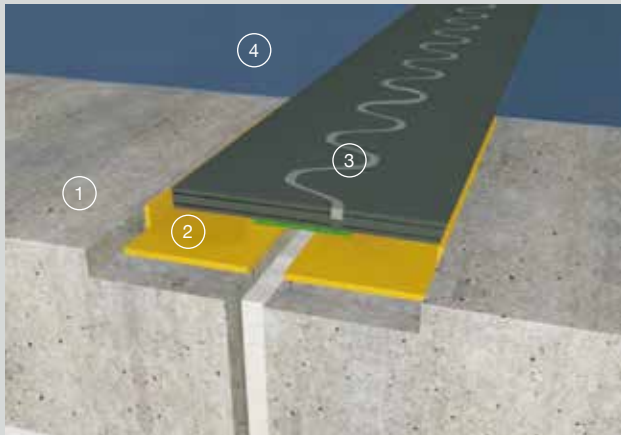
Joint profile for new constructions and for the refurbishment of floor joints in the pharma- and food industry, warehouse facilities and high-rack warehouses, industrial buildings, production facilities (car manufacturing, etc.), multi-storey and basement car parks, shopping centers and super-markets, hospitals and laboratories, event centers and schools.

Features / Advantages

- High chemical resistance
- Food safe
- Similar coefficient of thermal expansion as with reactive resin floors
- A water-tight application can be achieved
- Perfectly seamless coating connection due to a recessed coating flange
- Hardly noticeable vibrations under traffic with cars or MHE's (i.e. forklifts)
- Back-friendly for forklift drivers
- High driving comfort
- Reduced MHE-cost (wheel bearings, tyres, etc.)
- Low installation height, simple installation
- Partial, fast repair possible
- Metal-free, therefore cannot corrode
- Special rapid application can be driven on after a few hours

Technical Data

| | |
|----------------------------------|--|
| Width of joint profile: | approx. 250 mm |
| Length of joint profile: | approx. 1200 mm installed (1195 mm net) |
| Thickness of joint profile: | approx. 20 mm |
| Joint width in the substrate: | max. 30 mm |
| Contamination seal: | approx. 10 mm (depending on design variation) |
| Total horizontal Joint movement: | 25 mm (-5/+20 mm) |
| Compressive strength: | 80 N/mm ² (ONR 23303) |
| Tensile bending strength: | 60 N/mm ² (DIN EN 196-1) |
| Load (Truck): | Wheel Load 6,000 kg per 10 cm ² supporting area |



1. Concrete floor slab
2. Structural Adhesive
3. Joint Profile ST 20/30
4. Coating



FloorBridge® ST 20/30 Our standard joint profile

Profile Description

The FloorBridge® Joint Profile ST 20/30 is a prefabricated polymer floor joint profile in carbon fiber composite technology. The sinus-shape of the joint profile allows an optimized load distribution together with low vibration joint crossings under wheel traffic.

Fields of Application

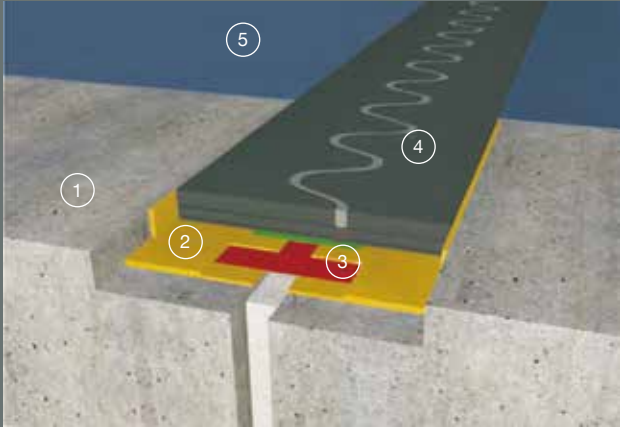
Joint profile for new constructions and for the refurbishment of floor joints in warehouse facilities and high-rack warehouses, industrial buildings, car manufacturers and part suppliers, production facilities, multi-storey and basement car parks, shopping center, super-markets, hospitals and laboratories, event centers and schools, pharma industry (production and distribution), food industry (production and distribution).

Features / Advantages

- Can be grinded several times
- Can take heavy load traffic
- Hardly noticeable vibrations under traffic with cars or MHE's (i.e. forklifts)
- Back-friendly for forklift drivers (high in driving comfort)
- Reduced MHE-cost (wheel bearings, tyres, etc.)
- Similar coefficient of thermal expansion as with reactive resin floors
- A seamless and tight coating connection can be achieved
- Low installation height
- Simple installation
- High chemical resistance
- Food safe
- Temperature and weather resistant
- Partial, fast repair possible
- Metal-free, therefore cannot corrode
- Special rapid application can be driven on after a few hours

Technical Data

| | |
|----------------------------------|--|
| Width of joint profile: | approx. 250 mm |
| Length of joint profile: | approx. 1200 mm installed (1195 mm net) |
| Thickness of joint profile: | approx. 20 mm |
| Joint width in the substrate: | max. 30 mm |
| Contamination seal: | approx. 10 mm (depending on design variation) |
| Total horizontal joint movement: | 25 mm (-5/+20 mm) |
| Grinding depth: | max. 2 mm |
| Compressive strength: | 80 N/mm ² (ONR 23303) |
| Bending tensile Strength | 60 N/mm ² (DIN EN 196-1) |
| Load : | Wheel Load 6,000 kg per 10 cm ² supporting area |



1. Concrete floor slab
2. Structural Adhesive
3. Sealing membrane (optional)
4. Joint profile ST 30/30
5. Coating



FloorBridge® ST 30/30 Joint profile allowing for a higher grinding depth

Profile Description

The FloorBridge® Joint Profile ST 20/30 is a prefabricated polymer floor joint profile in carbon fiber composite technology. The sinus-shape of the joint profile allows an optimized load distribution together with low vibration joint crossings under wheel traffic. This joint profile was specifically developed for the installation in high rack warehouses and VNA's, as these areas often require a higher grinding depth.

Fields of Application

Joint profile for new constructions and for the refurbishment of floor joints in high-rack warehouses and other warehouse facilities, industrial buildings, car manufacturers and part suppliers, production facilities, multi-storey and basement car parks, shopping center, super-markets, hospitals and laboratories, event centers and schools, pharma industry (production and distribution), food industry (production and distribution).

Features / Avantages

- Can be grinded several times
- Can take heavy load traffic
- Hardly noticeable vibrations under traffic with cars or MHE's (i.e. forklifts)
- Back-friendly for forklift drivers (high in driving comfort)
- Reduced MHE-cost (wheel bearings, tyres, etc.)
- Similar coefficient of thermal expansion as with reactive resin floors
- A seamless and tight coating connection can be achieved
- Low installation height
- Simple installation
- High chemical resistance
- Food safe
- Temperature- and weather resistant
- Partial, fast repair possible
- Metal-free, therefore cannot corrode
- Special rapid application can be driven on after a few hours

Technical Data

| | |
|----------------------------------|--|
| Width of joint profile: | approx. 250 mm |
| Length of joint profile: | approx. 1200 mm installed (1195 mm net) |
| Thickness of joint profile: | approx. 30 mm |
| Joint width in the substrate: | max. 30 mm |
| Contamination seal: | approx. 10 mm (depending on version) |
| Total horizontal Joint movement: | 25 mm (-5/+20 mm) |
| Grinding depth: | max. 6 mm |
| Compressive strength: | 65 N/mm ² (ONR 23303) |
| Bending tensile strength: | 50 N/mm ² (DIN EN 196-1) |
| Load | Wheel Load 6,000 kg per 10 cm ² supporting area |



1. Concrete floor slab
2. Structural Adhesive
3. Joint Profile SL 15/05
4. Coating



FloorBridge® SL 15/05 For cracks and shrinkage joints

Profile Description

The FloorBridge® Joint Profile SL 15/05 is a prefabricated polymer floor joint profile in carbon fiber composite technology for the treatment of floor cracks and shrinkage joints / saw cuts.

Fields of Application

Joint profile for new constructions and for the refurbishment of floor joints for example in multi-storey car parks and park decks, warehouse areas, assembly halls, workshops, hospitals, schools, industrial buildings, etc.

Features / Advantages

- Metal-free - therefore cannot corrode
- Simple installation
- Low installation height
- Temperature - and weather resistant
- Can take car and truck traffic
- Can be driven on after a few hours

Technical Data

| | |
|----------------------------------|--|
| Width of joint profile: | approx. 80 mm |
| Length of joint profile: | approx. 1200 mm installed (1195 mm net) |
| Thickness of joint profile: | approx. 15 mm |
| Joint width in the substrate: | max. 5 mm |
| Contamination seal: | approx. 5 mm (depending on design variation) |
| Total horizontal joint movement: | 5 mm (-2/+3 mm) |
| Compressive strength: | 60 N/mm ² (ONR 23303) |
| Bending tensile Strength | 50 N/mm ² (DIN EN 196-1) |
| Load: | Wheel Load 6,000 kg per 10 cm ² supporting area |



FloorBridge® Joint Profiles For Specific Applications - The right solution for all joint issues

FloorBridge® AC 20/30 for air-cushion vehicles

Profile Description

The FloorBridge® Joint Profile AC 20/30 is a prefabricated polymer floor joint profile in carbon fiber composite technology. Due to a special joint detailing, air-cushion vehicles can be driven over joints smoothly and trouble-free.

Fields of Application

Joint profile for new constructions and for the refurbishment of floor joints in areas, where air-cushion vehicles operate.

FloorBridge® ST 30/30 Terrazzo

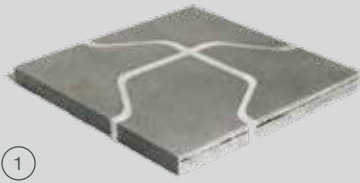
Profile Description

The FloorBridge® Joint Profile ST 30/30 is a prefabricated polymer floor joint profile in carbon fiber composite technology.

During production a special aggregate is added, achieving a Terrazzo effect, following the diamond grinding process.

Fields of Application

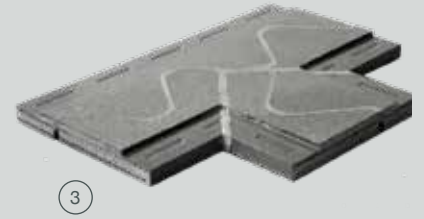
Joint profile for new constructions and for the refurbishment of floor joints, for example in warehouses and assembly halls, workshops, hospitals, schools and industrial buildings, etc.



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FloorBridge® - Moulded Parts - The right detailed solution for all requirements

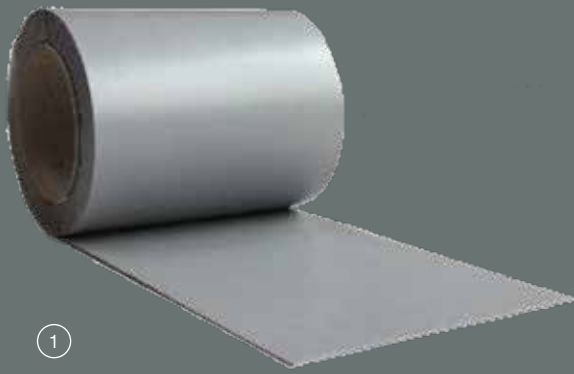
There are various moulded parts available for joint - crossings, wall connections and other details, which can be ordered from FloorBridge® to meet project specific design requirements.

6. Adhesive FloorBridge® Connect
03 9 kg - article No. 35 /
30 kg - article No. 34

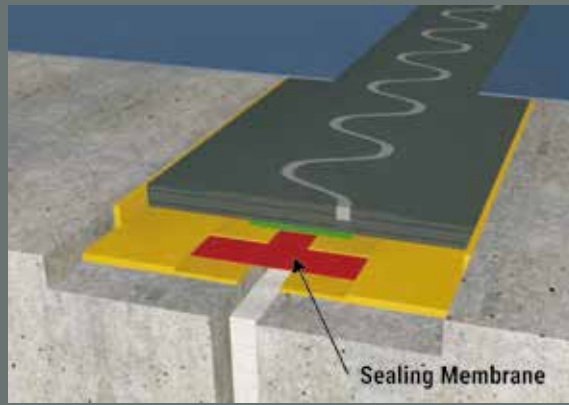
1. Uni-shaped part for ST 20/30 article No. 23
2. RC L-shaped part - article No. 88 / WGX L-shaped part - article No. 27
3. RC T-shaped part - article No. 89 / WGX T-shaped part - article No. 28
4. RC Cross-shaped part - article No. 64 / WGX Cross-shaped part - article No. 29
5. FloorBridge® WALL PLATE (24 x 20 cm) article No. WP



6



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Fix Joint Protection Foil



Remove Joint Protection Foil

Contamination Sealant (Joint Sealant)



Sealing of the Joint Profile

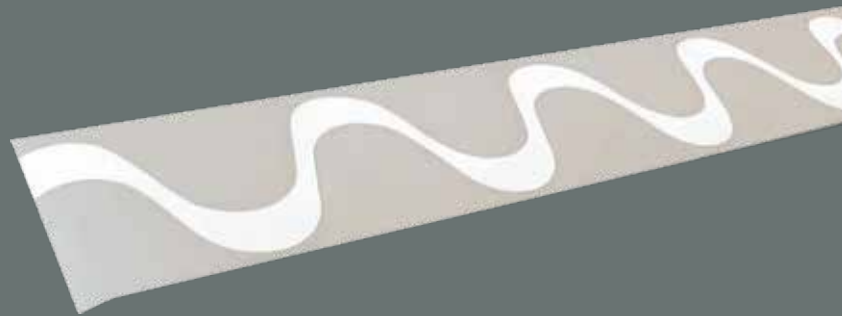
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Accessories / Other Products

1. Sealing membrane (roll 20 m)
SM 150/1 mm - article No. 33
2. High-performance Sealing Membrane made from modified thermo-plastic elastomer for sealing exterior and interior expansion-, movement- and shrinkage joints.
3. Joint Profile Protection Foil - this ensures, that the contamination sealant remains fully functional and therefore stays elastic following sealer/coating application.
4. Trowel FloorBridge® SP 04
universal article No. 37





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