

PRODUCT DATA SHEET

Sika® FloorJoint S

Standard-size, prefabricated, carbon fibre-reinforced floor joint panel

DESCRIPTION

Sika® FloorJoint S is a prefabricated, carbon fibre-reinforced polymer (CFRP) floor joint panel. It has very good mechanical resistance and is designed for normal to medium wear. Its wave-like joint design improves load distribution and minimizes vibrations caused by direct traffic from cars and forklifts. The Product is used for substrate gaps ranging from 0 mm to 30 mm in width. Sika® FloorJoint S is the primary component of the Sika® FloorJoint PS-30 S system.

USES

Sika® FloorJoint S may only be used by experienced professionals.

Sika® FloorJoint S is used as a floor joint panel for newly-built and refurbished joints in concrete or concrete screeds in:

- Storage areas
- Assembly halls
- Manufacturing facilities and workshops
- Healthcare facilities and hospitals
- Schools and universities
- Show rooms
- Pharmaceutical facilities

PRODUCT INFORMATION

Chemical Base	Carbon fibre-reinforced polymer	
Packaging	Quantity per pallet	84 pieces
	Weight per piece	11 kg
Refer to the current price list for available packaging variations.		
Shelf Life	3 years from date of production	
Storage Conditions	The Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +35 °C. Store in a horizontal position. Do not stack pallets on top of each other.	

CHARACTERISTICS / ADVANTAGES

- Grindable profile for level integration into the floor surface
- Reduces vibrations caused by direct traffic of cars and forklifts
- Thermal expansion coefficient similar to resin-based floors
- Easy to install
- Easy to repair
- Short down time - open to traffic after 24 hours
- Waterproof system design (optional)
- Very good resistance to specific chemicals
- Non-corroding
- Very good mechanical resistance

APPROVALS / STANDARDS

- Reaction to fire classification DIN EN 13501-1, Sika® FloorJoint, Hoch, No. KB-Hoch-140803-5

Appearance / Colour	approx. RAL 7037	
Dimensions	Length	1195 mm
	Width	250 mm
	Height	20 mm

TECHNICAL INFORMATION

Compressive Strength	Cured 14 days at +23 °C and 50 % r.h.	110 MPa	(EN 196-1)																								
Tensile Strength	Cured 14 days at +23 °C and 50 % r.h.	50 MPa	(EN 196-1)																								
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Services for specific information.																										
Reaction to Fire	Class	B _{fl} -s1 (polymer material of panel)	(EN 13501-1)																								
Joint Design	<p>IMPORTANT</p> <p>Damage due to exceeded positive joint movement capacity</p> <p>Exceeding the maximum positive joint movement capacity can result in the teeth of the Sika® FloorJoint panel becoming unsupported, increasing the risk of damage.</p> <p>1. Do not exceed the maximum positive joint movement capacity.</p> <table border="1"> <thead> <tr> <th>Gap width¹</th> <th>Positive joint movement²</th> <th>Negative joint movement³</th> </tr> </thead> <tbody> <tr> <td>0 mm</td> <td>+20 mm</td> <td>-0 mm</td> </tr> <tr> <td>5 mm</td> <td>+17.5 mm</td> <td>-5 mm</td> </tr> <tr> <td>10 mm</td> <td>+15 mm</td> <td>-5 mm</td> </tr> <tr> <td>15mm</td> <td>+12.5mm</td> <td>-5 mm</td> </tr> <tr> <td>20 mm</td> <td>+10 mm</td> <td>-5 mm</td> </tr> <tr> <td>25 mm</td> <td>+7.5 mm</td> <td>-5 mm</td> </tr> <tr> <td>30 mm</td> <td>+5 mm</td> <td>-5 mm</td> </tr> </tbody> </table> <p>¹ The width of the gap in the concrete under the Sika® FloorJoint panel during installation</p> <p>² Indicates by how much the joint can expand compared to its original width during the installation of the Sika® FloorJoint panel</p> <p>³ Indicates by how much the joint can contract compared to its original width during the installation of the Sika® FloorJoint panel</p>			Gap width ¹	Positive joint movement ²	Negative joint movement ³	0 mm	+20 mm	-0 mm	5 mm	+17.5 mm	-5 mm	10 mm	+15 mm	-5 mm	15mm	+12.5mm	-5 mm	20 mm	+10 mm	-5 mm	25 mm	+7.5 mm	-5 mm	30 mm	+5 mm	-5 mm
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APPLICATION INFORMATION

Consumption	1 piece per 1.195 linear metres of joint
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BASIS OF PRODUCT DATA

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.

FURTHER DOCUMENTS

Reference must be made to the following Sika® Method Statements:

- Sika Method Statement — Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement: Sika Method Statement — Sika® FloorJoint S & Sika® FloorJoint XS
- System Data Sheet for Sika® FloorJoint PS-30 S

ECOLOGY HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain 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 in concentrations above 0.1 % (w/w)

APPLICATION INSTRUCTIONS

APPLICATION

IMPORTANT

Observe conditions for exterior use

The Product may be used for exterior applications only if the following conditions are met.

1. Traffic speed must be limited to < 30 km/h (< 19 mph).
2. Protect the Sika® FloorJoint panel with a UV-resistant coating.

IMPORTANT

Do not remove the masking tape

The masking tape is necessary to separate the two composite parts of the panel separate, enabling joint movement after installation.

1. Never remove the masking tape attached to the underside of the Sika® FloorJoint panel.

IMPORTANT

Risk of relative vertical displacement along the sides of the joint

Vertical displacement of the concrete slabs along the length of either side of the joint can result in damage or performance variations of the Sika® FloorJoint panel.

1. Take appropriate measures such as anchoring, bolting, or ground consolidation by injection prior to installing the Sika® FloorJoint panel.

IMPORTANT

Reduced mechanical resistance due to excessive grinding depth

If you can no longer see the letters on the top surface of the Sika® FloorJoint panel after grinding, the maximum grinding depth of 2 mm has been exceeded, resulting in a reduction of the profile's mechanical resistance.

1. Do not exceed the maximum grinding depth of 2 mm.
2. Replace the panel if the maximum grinding depth has been exceeded.

IMPORTANT

Be careful when placing or adjusting the panel

1. Do not use a hammer to place or adjust the Sika® FloorJoint panel during installation.

Surface cracking caused by settlement

Note: Settlement of the substrate or of the adhesive can result in surface cracks in Sika® FloorJoint panel. These cracks do not constitute a defect, since they do not affect the viability and suitability for use.

Preparing the cut-out

1. Continuously monitor the abrasion of the diamond cutting disc used for preparing the cut-out.
2. Regularly readjust the disc to ensure consistent preparation of cuts at a depth of 25 mm.

Making the joint waterproof and maintaining the joint sealing material

Note: The sealant may break during positive joint movement of ~10–15 mm, however this does not affect the technical performance of the Product. The purpose of the joint sealant is the reduction of dirt pick-up in the joint, not to provide water tightness.

1. Install Sikadur-Combiflex® SG System to the base of the joint before installing the Product if a waterproof joint design is required.
2. After installation, inspect the joint sealing material as part of the maintenance procedure.
3. Renew the joint sealing material if required.

Reference must be made to further documentation where applicable, such as relevant method statements, application manuals and installation or working instructions. Refer to the Sika Method Statement Sika Method Statement — Sika® FloorJoint S & Sika® FloorJoint XS.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika 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 our current terms of sale and delivery. 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 Sika® Corporate Legal in Baar.

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Product Data Sheet

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