

PRODUCT DATA SHEET

Sika® FloorJoint PD

CARBON FIBRE PREFABRICATED FLOOR JOINT PANEL FOR CAR PARKS

DESCRIPTION

Sika® FloorJoint PD is a carbon fibre reinforced polymer (CFRP) composite, prefabricated, floor joint panel with high mechanical resistance for normal up to medium wear loading conditions. Its sinusoidal surface tooth profile allows for an improved load distribution and results in minimum vibrations under direct car traffic. Gap widths: 0–60 mm. Sika® FloorJoint PD is the main part of the Sika® FloorJoint PB-30 PD System.

USES

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

- Floor joint panel for new build and refurbished joints in concrete / concrete screeds in:
- Inner zones of car park decks and ramps

CHARACTERISTICS / ADVANTAGES

- Grindable profile for level integration into the floor surface
- Reduced vibrations under direct car traffic
- Thermal expansion coefficient similar to resin based floors
- Easy to install / Easy to repair
- Short down time - Trafficable after 24 hours
- Waterproof system design possible
- High chemical resistance
- Non corroding
- High mechanical resistance

APPROVALS / CERTIFICATES

- Fire Testing DIN EN 13501-1, Sika® FloorJoint, Hoch, Test report No. PB-Hoch-140803-3
- Fire Testing DIN EN ISO 11925-2, Sika® FloorJoint, Hoch, Test report No. PB-Hoch-140801-3
- Fire Testing DIN EN ISO 9239-1, Sika® FloorJoint, Hoch, Test report No. PB-Hoch-140802-3

PRODUCT INFORMATION

Composition	Carbon fibre reinforced polymer	
Packaging	84 pieces on an EU-pallet. Weight: ~10,0 kg/piece.	
Appearance / Colour	~RAL 7037	
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 at temperatures between +5 °C and +30 °C and must always be stored in the horizontal position in order to avoid bending. Always refer to packaging.	
Dimensions	Length	1200 mm
	Width	250 mm
	Height	15/20 mm

TECHNICAL INFORMATION

Compressive Strength	~80 N/mm ² (after 14 days at +23 °C / 50 % r.h)	(DIN EN 196-1)
Tensile Strength	~30 N/mm ² (after 14 days at +23 °C / 50 % r.h)	DIN EN 196-1)
Reaction to Fire	Bfl s1 (composite material of panel)	(EN 13301-1)
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Services for additional information.	

Joint Design	Gap width¹	Positive joint movement^{2,4}	Negative joint movement³
	0 mm	+40,0 mm	-0 mm
5 mm	+37,5 mm	-5 mm	
10 mm	+35,0 mm	-5 mm	
15 mm	+32,5 mm	-5 mm	
20 mm	+30,0 mm	-5 mm	
25 mm	+27,5 mm	-5 mm	
30 mm	+25,0 mm	-5 mm	
35 mm	+22,5 mm	-5 mm	
40 mm	+20,0 mm	-5 mm	
45 mm	+17,5 mm	-5 mm	
50 mm	+15,0 mm	-5 mm	
55 mm	+12,5 mm	-5 mm	
60 mm	+10,0 mm	-5 mm	

1. Width of the gap in the concrete below Sika® floor Joint panel during installation.
2. Positive joint movement is the amount the gap can open, compared to its original width during installation of Sika® floor Joint panel. Do not exceed the maximum positive joint movement capacity, otherwise the teeth of the Sika® floor Joint panel become unsupported and may be damaged.
3. Negative joint movement is the amount the gap can close, compared to its original width during installation of the Sika® floor Joint panel.
4. The sealant may break at a positive joint movement of ~10–15 mm, however this does not affect the technical performance of Sika® Floor-Joint PD. The purpose of the joint sealant is the reduction of dirt pick-up in the joint, not to provide water tightness. Install Sikadur® Combiflex® SG System below Sika® FloorJoint PD if a waterproof joint design is required.

SYSTEMS

Systems	Refer to System Data Sheet: Sika® FloorJoint PD - Floor Joint Panel for inner zones of car parks and ramps
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APPLICATION INFORMATION

Consumption	1 piece per 1,2 linear metre of joint
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APPLICATION INSTRUCTIONS

APPLICATION

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Refer to the Sika Method Statement: Sika® FloorJoint PD.

FURTHER INFORMATION

- Sika Method Statement: Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement: Sika® FloorJoint PD
- System Data Sheet: Sika® FloorJoint PD - Floor Joint Panel for inner zones of car parks and ramps

IMPORTANT CONSIDERATIONS

- The Product must only be applied in accordance with its intended use.
- For outdoor use only if the traffic speed is limited to < 30 km/h (<19 mph), and if the polymer panel is coated with an UV protection e.g. with Sikafloor®-359.
- Always store Sika® FloorJoint PD panels in horizontal position.
- Never remove the masking tape affixed to the bottom side of the Sika® FloorJoint PD panel. The masking tape is necessary to keep the two composite parts of the panel separate, allowing the movement of the joint after installation.
- No relative vertical displacement of the concrete slabs can occur along the length of either side of the joint. Where necessary, apply appropriate measures such as anchoring/bolting or ground consolidation by injection prior to installation of the Sika® floor Joint panel.
- Do not exceed the maximum positive joint movement capacity, otherwise the teeth of the panel become unsupported and may break.
- Settlement of the substrate or of the adhesive can result in cracks in Sika® FloorJoint PD. These cracks do not constitute a defect, since they do not affect the viability and suitability for use.
- Do not exceed the maximum grinding depth of 2 mm. If after grinding the letters on the top surface of Sika® FloorJoint PD are no longer visible, the maximum grinding depth of 2 mm has been exceeded and the mechanical resistance of the profile is reduced. Replace the panel if the maximum grinding depth has been exceeded.
- The sealant may break at a positive joint movement of ~10–15 mm, however this does not affect the technical performance of Sika® FloorJoint PD. The purpose of the joint sealant is the reduction of dirt pick-up in the joint, not to provide water tightness. Install Sikadur® Combiflex® SG System below Sika® FloorJoint PD if a waterproof joint design is required.
- Periodically inspect the joint sealing material and renew if necessary.
- Continuously monitor the abrasion of the diamond cutting disk used for preparing the cut-out. Regularly

readjust the disk to ensure all cuts are prepared with a constant depth of 25 mm.

- Do not use a hammer for placing and adjusting the floor panel during installation.
- Always refer to the system local individual Product Data Sheets before using tools and mixing equipment. Local differences in product may result in performance variations.

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.

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.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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).

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.

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Product Data Sheet
Sika® FloorJoint PD
April 2020, Version 04.01
020816140020000002

SikaFloorJointPD-en-GR-(04-2020)-4-1.pdf

