

PRODUCT DATA SHEET

Sika® FloorJoint EX

CARBON FIBRE PREFABRICATED FLOOR JOINT PANEL

DESCRIPTION

Sika® FloorJoint EX is a carbon fibre reinforced polymer (CFRP) composite, prefabricated, floor joint 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 and forklift traffic. The eccentrically arranged teeth rest completely on the opposite side of the joint even when the joint is widened. The joint is easy and quickly to install and reduces vibrations from all types of wheel loadings.

Sika® FloorJoint EX is the main part of the Sika® Floor-Joint PB-30 EX System.

USES

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

- Floor joint panel for new build and refurbished joints in concrete / concrete screeds in:
- Storage areas, assembly halls, maintenance workshops, hospitals, schools, warehouses, show rooms, pharmaceutical industry, production etc.

PRODUCT INFORMATION

Composition	Carbon fibre reinforced polymer
Packaging	84 pieces on an EU-pallet. Weight: approx. 11,0 kg/piece. Refer to current price list for packaging variations
Appearance / Colour	approx. RAL 7037
Shelf life	3 years from the 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 +35 °C and must always be stored in the horizontal position in order to avoid bending. Always refer to packaging.

CHARACTERISTICS / ADVANTAGES

- Grindable profile for level integration into the floor surface
- Reduced vibrations under direct car and fork lift traffic
- Thermal expansion coefficient similar to resin based floors
- Easy to install / Easy to repair
- Short down time - Trafficable after 24 hrs
- 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

Dimensions	Length	1 200 mm
	Width	255 mm
	Height	20 mm

TECHNICAL INFORMATION

Compressive Strength	~80 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 specific information.		
Opening Size	For gaps in the substrate with a maximum width of 50 mm. Maximal horizontal positive joint movement = 20 mm		
Joint Design	Max. gap width ¹	Positive joint movement ²	Negative joint movement ³
	50 mm	+20 mm	-10 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 the Sika® floor Joint panel. Don't exceed the maximum positive joint movement capacity, otherwise the teeth of the Sika® floor Joint panel will 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.
- Note: The sealant may break at a positive joint movement of approx. 15–20 mm, however this does not affect the technical performance of Sika® FloorJoint EX. The purpose of the joint sealant is the reduction of dirt pick-up in the joint, not to provide water tightness. Install Sikadur® Com-biflex® SG System below Sika® FloorJoint EX if a waterproof joint design is required.

SYSTEMS

Systems	▪ Sika® Floor Joint PB-30 EX - Floor joint panel for standard application
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APPLICATION INFORMATION

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

APPLICATION

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions. Refer to the Sika Method Statement: Sika® FloorJoint EX

FURTHER INFORMATION

- Sika Method Statement: Evaluation and preparation of surfaces for flooring Systems
- Sika Method Statement: Sika® FloorJoint EX
- System Data Sheet: Sika® FloorJoint PB-30 EX

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 UV protection.
- Never remove the masking tape affixed to the bottom side of the Sika® FloorJoint EX panels. 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 move-

ment capacity, otherwise the teeth of the panels become unsupported and may break.

- Settlement of the substrate or adhesive can result in cracks in Sika® FloorJoint EX. These cracks do not constitute a defect since they don't affect the viability and suitability for use.
- Do not exceed the maximum grinding depth of 2 mm. If the maximum grinding depth of 2 mm has been exceeded the mechanical resistance of the profile is reduced. Replace the panel if the maximum grinding depth has been exceeded.
- Periodically inspect the rubber seal 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.
- Do not use a hammer for placing and adjusting the floor panel during installation.
- The joint profile must be placed offset (eccentrically) 85 mm from the edge of the existing gap in the concrete.

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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 the 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)

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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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