

## PRODUCT DATA SHEET

# Sika® FloorJoint XS

### CARBON FIBRE PREFABRICATED FLOOR JOINT PANEL

#### DESCRIPTION

Sika® FloorJoint XS 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 and forklift traffic. Gap widths: 0 – 5 mm. Sika® FloorJoint XS is a small version of Sika® FloorJoint S and is the main part of the Sika® FloorJoint PB-30 XS System.

#### USES

Sika® FloorJoint XS 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.

#### 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 hours
- Waterproof system design possible
- High chemical resistance
- Non corroding
- High mechanical resistance

#### APPROVALS / STANDARDS

- 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

<b>Chemical Base</b>	Carbon fibre reinforced polymer
<b>Packaging</b>	270 pieces on an EU-pallet. Weight: approx. 2.8 kg/piece. Refer to current price list for packaging variations.
<b>Appearance / Colour</b>	~RAL 7037
<b>Shelf Life</b>	3 years from date of production
<b>Storage Conditions</b>	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	80 mm
	Height	15 mm

## TECHNICAL INFORMATION

**Compressive Strength** ~60 N/mm<sup>2</sup> (after 14 days at 23 °C / 50 % r.h) (DIN EN 196-1)

**Tensile Strength** ~50 N/mm<sup>2</sup> (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.

Joint Design	Gap width <sup>1</sup>	Positive joint movement <sup>2</sup>	Negative joint movement <sup>3</sup>
	1 mm	+3.0 mm	-1 mm
2 mm	+3.0 mm	-2 mm	
3 mm	+3.0 mm	-2 mm	
4 mm	+2.0 mm	-2 mm	
5 mm	+1.0 mm	-2 mm	

1. Width of the gap in the concrete below Sika® FloorJoint 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® FloorJoint panel.

## SYSTEM INFORMATION

**Systems** Refer to System Data Sheet: Sika® FloorJoint PB-30 XS - Floor Joint Panel for indoor standard applications

## APPLICATION INFORMATION

**Consumption** 1 piece per 1.2 linear metre of joint

## 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

- Sika Method Statement: Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement: Sika® FloorJoint XS
- System Data Sheet: Sika® FloorJoint XS - Floor Joint Panel for indoor standard applications

## LIMITATIONS

- 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®-304 W/-264 N/-263SL N.

- Always store Sika® FloorJoint XS panels in horizontal position.
- Never remove the masking tape affixed to the bottom side of the Sika® FloorJoint XS 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 XS. 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 XS 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 XS. 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 XS 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.

## 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)

## 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 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.

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#### Product Data Sheet

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