BUILDING TRUST

PRODUCT DATA SHEET

Sika® FloorJoint EX A

"Phoenix" Panel prefabricated polymer composite for wide gap eccentric floor joint

DESCRIPTION

Sika® FloorJoint EX A is a prefabricated, glass-carbon fiber reinforced, extremely resistant, flat and hardly recognizable polymer composite panel with high physical properties. Because of the waved and eccentric joint design an improved load distribution and water proof performance is achieved.

USES

- Floor joint panel for new build and refurbishment of joints for concrete screeds with normal up to medium heavy wear e.g. for storage and assembly halls, maintenance workshops, hospitals, schools and ware houses.
- Particularly used in the food and pharmaceutical industries, for show rooms, workshops and production areas etc.

CHARACTERISTICS / ADVANTAGES

- Multiple sandable.
- Suitable for heaviest loads
- Rapid implementation for driving on after 24 hours
- No unevenness, ultra-flat
- No vibration while driving
- Allows horizontal movements
- Expansion coefficient similar to resin floors
- Tight coating possible
- Low installation height
- Simple installation
- High chemical resistance
- Suitable for food products
- Temperature and weather resistance
- Partial quick repair possible
- Metal-free, therefore non-corrosive

APPROVALS / STANDARDS

- Reaction to fire classification acc. to DIN EN 13301-1.
- Test report No.: KB-Hoch-140803.
- The fire behaviour of the polymeric material of Sika® FloorJoint EX A is classified as: Bfl-s1.

PRODUCT INFORMATION

Chemical base	PUR
Packaging	111 pieces on an EU-pallet weight, approx. ~8.35kg/PCS
Appearance / Colour	Grey, approx.Ral7037
Shelf life	3 years
Storage conditions	In cool and dry conditions at temperatures between +5°C and +30°C, always in horizontal and flat position.
Dimensions	Length x width x height: approx. 1200 mm x 255 mm x 15 mm

TECHNICAL INFORMATION

Compressive Strength	~ 110 N/mm² (14days after at 23°C / 50% R.H)	DIN EN 196-1
Tensile Strength	~ 50 N/mm² (14days after, at 23°C / 50% R.H)	DIN EN 196-1
Joint Design	Gap width: Maximum:55mm; Minimum:5mm Positive horizontal joint movement: +15mm; +65mm Negative horizontal joint movement: -10mm; -5mm Please contact Sika technical service for details.	
Consumption	1 piece for 1.2 linear meter.	
Ambient Air Temperature	+10°C min. / +30°C max.	
Relative Air Humidity	80%R.H. max	
Dew Point	Beware of condensation! The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.	
Substrate Temperature	+10°C min. / +30°C max. The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.	
Substrate Moisture Content	< 4% moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).	

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.

IMPORTANT CONSIDERATION

- This eccentric joint profile must be installed 85 mm offset (eccentric) from the edge of the existing joint .Please refer to Sika Drawings.
- To avoid the risk of crack occur on the panel surface after a certain time,Cut a joint of 20mm deep and at least 5mm wide in the end of floorjoint that will isolate the effect of ground movement.
- The Product must only be applied in accordance with its intended use, do remember indoor use only.
- Always store Sika® FloorJoint EX A panels in horizontal position.
- Never remove the masking tape affixed to the bottom side of the Sika® FloorJoint EX A 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® FloorJoint EX A 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 EX A. 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 EX A 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 EX A. 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 EX A if a waterproof joint design is required.
- Periodically inspect the joint sealing material and renew if necessary.
- Do not use a hammer for placing and adjusting the floor panel during installation.

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 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 reg-

ulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Refer to the Method Statement “Evaluation & Preparation of flooring surfaces”.

APPLICATION

Please refer to the product data sheet of Sikadur®-31 CF Normal and/or the Method Statement “Sika® FloorJoint EX A”.

CLEANING OF TOOLS

Please refer to the product data sheet of Sikadur®-31 CF Normal.

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.

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 can always refer to the most recent version of the local Product Data Sheet for the relevant product, available on our website. The information in any downloaded version is valid as of the time of download.

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