

# PRODUCT DATA SHEET

## Sika® FloorJoint PDRS

### CARBON FIBRE PREFABRICATED FLOOR JOINT PANEL WITH INTEGRAL SEAL FOR CAR PARKS

#### PRODUCT DESCRIPTION

Sika® FloorJoint PDRS is a carbon fibre reinforced polymer (CFRP) composite, prefabricated, floor joint panel with integral replaceable rubber seal and high mechanical resistance. It's concentric integral rubber seal allows low vibrations under direct car traffic. Suitable for concrete slab vertical and horizontal movement. Gap widths: 0–50mm. Vertical movement: 30 mm. Sika® FloorJoint PDRS is the main part of the Sika® FloorJoint PB-30 PDRS System.

#### USES

- Sika® FloorJoint PDRS may only be used by experienced professionals.
- Floor joint panel for new build and refurbished joints in concrete / concrete screeds in:
  - Inner and outer zones of car park decks and ramps

#### CHARACTERISTICS / ADVANTAGES

- Grindable profile for level integration into the floor surface
- Suitable for vertical and horizontal movements
- Low vibrations under direct car traffic
- Thermal expansion coefficient similar to resin based floors
- Replaceable rubber seal
- Easy to install / Easy to repair
- Short down time - Trafficable after 24 hours
- High chemical resistance
- Non corroding
- High mechanical resistance
- Joint movement horizontal: 50 mm (-20/+30 mm)
- Joint movement vertical: 30 mm (-15/+15 mm)
- Recessed flange along both sides of panel
- Double waterproof system design with integrated Sikadur Combiflex SG System

#### 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

Chemical Base	Panel	Carbon fibre reinforced polymer
	Seal	Rubber

Packaging	Length	Single Panels	Panels/Set	Length rubber seal	Pallets
	100.8 m	168	84	104 m	2 EUR-pallets
	25.2 m	42	21	26 m	1 EUR-pallet
	12 m	20	10	13 m	1 EUR-pallet
	6 m	10	5	6.5 m	1 EUR-pallet
Appearance / Colour	Panel		~RAL7037		
	Rubber Seal		Black		
Shelf Life	Composite Panel		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		290 mm		
	Height		18/23 mm		
Compressive Strength	Joint panel: ~ 60 N/mm <sup>2</sup> (after 14 days at 23 °C / 50 % r.h) (DIN EN 196-1)				
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Services for specific information.				
Joint Design	Maximum gap width <sup>1</sup> :		50 mm		
	Positive horizontal joint movement <sup>2</sup> :		+30 mm		
	Negative horizontal joint movement <sup>3</sup> :		-20 mm		
	Positive vertical joint movement <sup>4</sup> :		+15 mm		
	Negative vertical joint movement <sup>5</sup> :		-15 mm		

1. Width of the gap in the concrete below Sika® floor Joint panel during installation.
2. Positive horizontal joint movement is the amount the gap can horizontally open, compared to its original width during installation of Sika® FloorJoint PDRS.
3. Negative horizontal joint movement is the amount the gap can horizontally close, compared to its original width during installation of Sika® FloorJoint PDRS.
4. Positive vertical joint movement is the amount the gap can vertically open, compared to its original gap during installation of Sika® FloorJoint PDRS.
5. Negative vertical joint movement is the amount the gap can vertically close, compared to its original gap during installation of Sika® FloorJoint PDRS.

Note: To provide a waterproof joint, first, install Sikadur® Combiflex® SG System below the Sika® FloorJoint PDRS.

## SYSTEM INFORMATION

<b>Systems</b>	Refer to System Data Sheet: Sika® FloorJoint PDRS - Floor Joint Panel for Car Park applications
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## APPLICATION INFORMATION

<b>Consumption</b>	1 panel consisting out of two pieces of polymer panels and the rubber seal for total length of 1.2 linear metre.
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<b>Ambient Air Temperature</b>	+15 °C min. / +25 °C max. Refer to additional individual Product Data Sheets where required for specific installations.
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<b>Relative Air Humidity</b>	80 % r.h. max.
<b>Dew Point</b>	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.
<b>Substrate Temperature</b>	The ideal installation temperature is approx. +15 °C min. / +25 °C max. Refer to the product data sheet of the individual product for specific information.
<b>Substrate Moisture Content</b>	<4 % parts by weight Test method: Sika Tramex Meter, CM-measurement or oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).

## 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 Information Manual: Sika® FloorJoint PDRS.

### FURTHER DOCUMENTS

- Sika Information Manual: Evaluation and preparation of surfaces for flooring systems
- Sika Information Manual: Sika® FloorJoint PDRS
- Refer to System Data Sheet: Sika® FloorJoint PDRS - Floor Joint Panel for Car Park applications

### LIMITATIONS

- The Product shall 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 N.
- Always store Sika® FloorJoint PDRS panels in horizontal position
- Settlement of the substrate or of the adhesive can result in cracks in Sika® FloorJoint PDRS. These cracks do not constitute a defect, since they don't affect the viability and suitability for use.
- Don't exceed the maximum grinding depth of 2 mm. If 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.
- 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 of 25 mm.
- Do not use a hammer for placing and adjusting the floor panel during installation.

### VALUE BASE

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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