

PRODUCT DATA SHEET

Sika® FloorJoint PDRS

Prefabricated, carbon fibre-reinforced floor joint panel with rubber seal for car parks

DESCRIPTION

Sika® FloorJoint PDRS is a prefabricated, carbon fibre-reinforced polymer (CFRP) floor joint panel with high mechanical resistance. It comes with a concentric, replaceable rubber seal that minimizes vibrations caused by direct car traffic. The Product is suitable for vertical and horizontal movements of concrete slabs on either side of the joint, with a vertical movement of up to 30 mm. It is used for substrate gaps ranging from 0 mm to 50 mm in width. Sika® FloorJoint PDRS is the primary component of the Sika® FloorJoint PB-30 PDRS system.

USES

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

Sika® FloorJoint PDRS is used as a floor joint panel for newly-built and refurbished joints in concrete or concrete screeds in:

- Car park decks and ramps

Sika® FloorJoint PDRS is used for interior and exterior applications.

Please note:

- The Product may only be used by experienced professionals.

CHARACTERISTICS / ADVANTAGES

- Grindable profile for level integration into the floor surface
- Suitable for vertical and horizontal movements
- Reduces 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 - open to traffic after 24 hours
- Very good resistance to specific chemicals
- Non-corroding
- Very good mechanical resistance
- Recessed flange along both sides of panel
- Doubly waterproof system design with integrated Sikadur-Combiflex® SG System
- Horizontal joint movement: 50 mm (-20 mm and +30 mm)
- Vertical joint movement: 30 mm (-15 mm and +15 mm)

APPROVALS / STANDARDS

- Reaction to fire classification DIN EN 13501-1, Sika® FloorJoint, Hoch, No. KB-Hoch-140803-5

PRODUCT INFORMATION

Chemical Base	Panel	Carbon fibre-reinforced polymer
	Seal	Rubber

Packaging	Required joint length	Single panels	Panels per 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

Refer to the current price list for available packaging variations.

Appearance / Colour	Panel	approx. RAL 7037
	Rubber seal	Black

Shelf Life	Composite panel	36 months from date of production
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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. Store in a horizontal position. Always refer to the packaging.
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Dimensions	Length	1195 mm
	Width	290 mm
	Height	23 mm (overall height) and 18 mm (recessed flange)

TECHNICAL INFORMATION

Compressive Strength	Cured 14 days at +23 °C and 50 % r.h.	60 N/mm ² (for joint panel)	(EN 196-1)
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Tensile Strength	Cured 14 days at +23 °C and 50 % r.h.	50 N/mm ² (for composite material)	(EN 196-1)
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Reaction to Fire	B _{fl} -s1 (polymer material of panel)	(EN 13501-1)
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Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Services for specific information.		
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Joint Design	IMPORTANT Damage due to exceeded positive joint movement capacity Exceeding the maximum positive joint movement capacity can result in the Sika® FloorJoint panel becoming unsupported, increasing the risk of damage.			
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1. Do not exceed the maximum positive joint movement capacity.

Maximum gap width ¹	Positive horizontal joint movement ²	Negative horizontal joint movement ³	Positive vertical joint movement ²	Negative vertical joint movement ³
50 mm	+30 mm	-20 mm	+15 mm	-15 mm

¹ Maximum gap width is the width of the gap in the concrete under the Sika® FloorJoint panel during installation.

² Positive joint movement is indicated by how much the joint can expand compared to its original width during the installation of the Sika® FloorJoint panel.

³ Negative joint movement is indicated by how much the joint can contract compared to its original width during the installation of the Sika® FloorJoint panel.

Install Sikadur-Combiflex® SG System under the Sika® FloorJoint panel if a waterproof joint design is required.

APPLICATION INFORMATION

Consumption	1 panel consisting of two polymer panel pieces and integral rubber seal. Total length: 1.195 linear metres
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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 PDRS
- System Data Sheet for Sika® FloorJoint PB-30 PDRS

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

APPLICATION INSTRUCTIONS

APPLICATION

IMPORTANT

Observe conditions for exterior use

The Product may be used for exterior applications only if the following conditions are met.

1. Traffic speed must be limited to < 30 km/h (< 19 mph).
2. Protect the Sika® FloorJoint panel with a UV-resistant coating.

IMPORTANT

Reduced mechanical resistance due to excessive grinding depth

If you can no longer see the letters on the top surface of the Sika® FloorJoint panel after grinding, the maximum grinding depth of 2 mm has been exceeded, resulting in a reduction of the profile's mechanical resistance.

1. Do not exceed the maximum grinding depth of 2 mm.
2. Replace the panel if the maximum grinding depth has been exceeded.

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September 2026, Version 05.01
020816140020000006

IMPORTANT

Be careful when placing or adjusting the panel

1. Do not use a hammer to place or adjust the Sika® FloorJoint panel during installation.

Preparing the cut-out

1. Continuously monitor the abrasion of the diamond cutting disc used for preparing the cut-out.
2. Regularly readjust the disc to ensure consistent preparation of cuts at a depth of 25 mm.

Inspecting the joint sealing material

1. After installation, inspect the joint sealing material as part of the maintenance procedure.
2. Renew the joint sealing material if required.

Inspecting the rubber seal

1. After installation, inspect the rubber seal as part of the maintenance procedure.
2. Renew the rubber seal if required.

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

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

SikaFloorJointPDRS-en-HK-(09-2026)-5-1.pdf