

PRODUCT DATA SHEET

Sika® FloorJoint PDRS

PREFABRICATED POLYMER COMPOSITE FLOOR JOINT PANEL FOR CAR PARKS WITH CONCENTRIC INCORPORATED RUBBER SEAL

PRODUCT DESCRIPTION

Sika® FloorJoint PDRS is a prefabricated, carbon fibre reinforced polymer (CFRP) composite floor panel with high mechanical resistance. It's concentric incorporated rubber seal allows low vibrations under direct car traffic. The rubber seal is exchangeable. Sika® FloorJoint PDRS is suitable for vertical and horizontal movements of the concrete slab. The profile is equipped with a recessed flange along both sides, used to blend in with new floor coverings for a smooth transition. 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 refurbishment of joints for concrete / concrete screeds with normal up to medium wear e.g. for inner and outer zones of car park decks, garage floors and ramps.

CHARACTERISTICS / ADVANTAGES

- Suitable for vertical and horizontal movements
- Low vibrations noticeable under direct car traffic
- Thermal expansion coefficient similar resin based floors
- Exchangeable rubber seal
- Easy to install / Easy to repair
- Short down time / fit for traffic after 24 h
- Double waterproof system design with integrated Sikadur Combiflex SG System
- Resistant against chemical & mechanical impact
- Non corroding
- For gaps in the substrate with a maximum width of 50 mm
- Joint movement horizontal: 50 mm (-20/+30 mm)
- Joint movement vertical: 30 mm (-15/+15 mm)
- Grindable profile for level integration into the floor surface
- Equipped with a recessed flange along both side

PRODUCT INFORMATION

Chemical Base	PUR				
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	Composite material of Sika® FloorJoint PDRS: Gray, approx. RAL 7037 Rubber seal: Black				
Shelf Life	Composite material of Sika® FloorJoint PDRS: 3 years from date of production if stored properly in original unopened, sealed and undamaged packaging.				

Storage Conditions	Sika® FloorJoint PDRS must be stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5 °C and +30 °C. Sika® FloorJoint PDRS must always be stored in horizontal position in order to avoid bending.	
Dimensions	Ready installed: Length × width × height: approx. 1200 × 290 × 18/23 mm.	
Compressive Strength	~ 60 N/mm ² (after 14 days at 23 °C / 50 % r.h) (Composite material of Sika® FloorJoint PDRS)	(DIN EN 196-1)
Chemical Resistance	Contact Sika technical service for specific information.	
Joint Design	Maximum gap width ¹ :	50 mm
	Positive horizontal joint movement ² :	+30 mm
	Negative horizontal joint movement ³ :	-20 mm
	Positive vertical joint movement ⁴ :	+15 mm
	Negative vertical joint movement ⁵ :	-15 mm

¹Width of the gap in the concrete below Sika® FloorJoint PDRS during installation.
²Positive horizontal joint movement is the amount the gap can horizontally open, compared to its original width during installation of Sika® FloorJoint PDRS.
³Negative horizontal joint movement is the amount the gap can horizontally close, compared to its original width during installation of Sika® FloorJoint PDRS.
⁴Positive vertical joint movement is the amount the gap can vertically open, compared to its original width during installation of Sika® FloorJoint PDRS.
⁵Negative vertical joint movement is the amount the gap can vertically close, compared to its original width during installation of Sika® FloorJoint PDRS.
Please note: In order to provide water tightness in case a waterproof joint design is required please install Sikadur® Combiflex® SG System below Sika® FloorJoint PDRS first.

SYSTEM INFORMATION

Systems	Please refer to the System Data Sheet of: Sika® FloorJoint PB-30 PDRS Floor Joint Panel for Car Park applications	
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APPLICATION INFORMATION

Consumption	1 panel consisting out of two pieces of polymer panels and the rubber seal for total length of 1.2 linear meter.	
Ambient Air Temperature	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.	
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	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.	
Substrate Moisture Content	<4 % pbw moisture content. Test method: Sika Tramex Meter, CM-measurement or Oven-Dry-Method. No rising moisture according to ASTM (Polyethylene-sheet).	

APPLICATION INSTRUCTIONS

Refer to the Sika Information Manual of Sika® FloorJoint PDRS

FURTHER DOCUMENTS

SUBSTRATE QUALITY & PREPARATION

Sika Information Manual: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS".

LIMITATIONS

1. The Product shall only be applied in accordance with its intended use.
2. 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.

3. Always store Sika® FloorJoint PDRS panels in horizontal position
4. 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.
5. 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.
6. Periodically inspect the rubber seal and renew if necessary.
7. 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.
8. Do not use a hammer for placing and adjusting the floor panel during installation.
9. Always refer to the manufacturer's instructions before using tools and mixing equipment.

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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