

SYSTEMDATENBLATT

Sika® FloorJoint PB-30 PDRS

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

BESCHREIBUNG

Sika® FloorJoint PB-30 PDRS is a prefabricated, carbon fibre reinforced polymer (CFRP) composite floor panel system with high mechanical resistance. It's concentric incorporated rubber seal allows low vibrations under direct car traffic. The rubber seal is exchangeable. Sika® FloorJoint PB-30 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.

ANWENDUNG

Sika® FloorJoint PB-30 PDRS ist nur für die Anwendung durch gewerbliche Verarbeiter bestimmt.

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.

PRODUKTMERKMALE/ VORTEILE

- 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

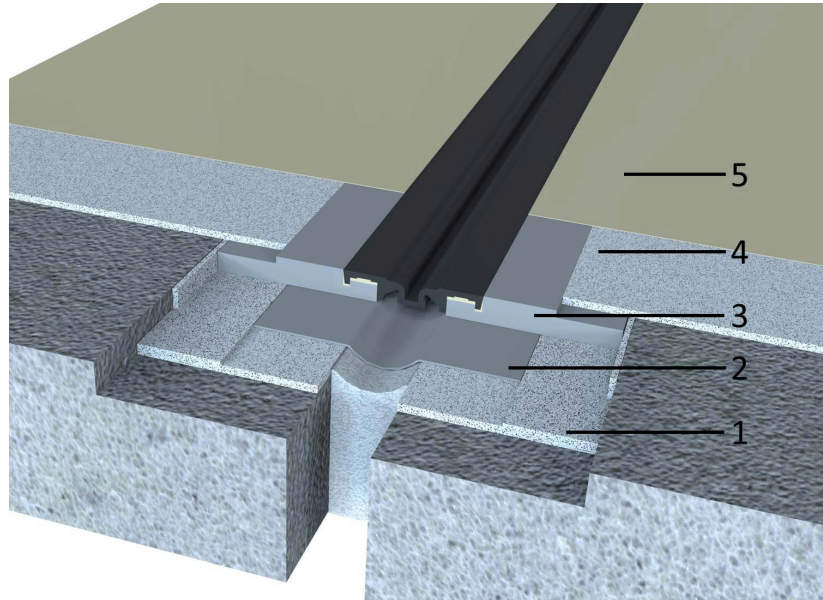
PRODUKTINFORMATIONEN

Lieferform	Please refer to individual Product Data Sheet.
Lagerfähigkeit	Please refer to individual Product Data Sheet.
Lagerbedingungen	Please refer to individual Product Data Sheet.

SYSTEMINFORMATIONEN

Systemaufbau

Sika® FloorJoint PB-30 PDRS



1. Adhesive	Sikadur®-30 or Sikadur®-31 CF Normal
2. Waterproofing	Sikadur®-30 or Sikadur®-31 CF Normal + Sikadur® Combiflex® SG-20 M
3. Floor Panel with Rubber Seal	Sika® FloorJoint PDRS, the rubber seal is gummed up with Sikabond® TF plus N (Sika® Activator 205 is used to prime the panel and the back side of the rubber seal)
4. Wearing course	Sikafloor®-156/161 + Sikafloor®-375, broadcast in excess
5. Top Coat	e.g. Sikafloor®-359 N

Chemische Basis System	PUR
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TECHNISCHE INFORMATIONEN

Fugenkonstruktion

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.

ANWENDUNGSINFORMATIONEN

Materialverbrauch	Coating	Product	Consumption
	Adhesive	Sikadur®-30 or Sikadur®-31 CF Normal	~ 3–5 kg/linear meter (depending of the depth of the cut-out)
	Waterproofing	Sikadur®-30 or Sikadur®-31 CF Normal + Sikadur® Combiflex® SG-20 M	Adhesive: ~ 1.2 kg/linear meter; Combiflex tape: 1 m/linear meter
	Floor Panel	Sika® FloorJoint PDRS + Rubber Seal gummed up with Sikabond® TF plus N	1 panel = two pieces of polymer panels + rubber seal: 1.2 m. ~ 70 g/linear meter
	Activator	Sika® Activator 205 is used to prime the panel and the back side of the rubber seal	~ 5 g/linear meter
	Primer & wearing coars	Sikafloor®-156/161	~ 0.3–0.5 kg/m ²
		Sikafloor®-375, broadcast in excess with QS 0.7–1.2 mm*	~ 1.5–1.8 kg/m ² ~ 4.0–6.0 kg/m ²
	Top Coat	Sikafloor®-359 N	~ 0.9 kg/m ²

* Alternative broadcast can be done by using quartz sand 0.4–0.8 mm at the respective covering rate of the top coat. Please check the individual Product Data Sheet.
These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Lufttemperatur	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 Luftfeuchtigkeit	80 % r.h. max.																								
Taupunkt	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.																								
Untergrundtemperatur	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.																								
Untergrundfeuchtigkeit	<4 % pbw moisture content. Test method: Sika TrameX Meter, CM-measurement or Oven-Dry-Method. No rising moisture according to ASTM (Polyethylene-sheet).																								
Wartezeit zwischen den Arbeitsgängen	Before grinding and applying Sikafloor®-375 on Sikadur®-30/-31 CF Normal + Sika®-FloorJoint PDRS allow: <table border="1" style="width: 100%; margin-top: 5px;"> <thead> <tr> <th>Substrate Temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>24 hours</td> <td>14 days</td> </tr> <tr> <td>+20 °C</td> <td>12 hours</td> <td>10 days</td> </tr> <tr> <td>+30 °C</td> <td>8 hours</td> <td>7 days</td> </tr> </tbody> </table> <p>Before grinding and applying Sikafloor®-359 N on Sikafloor®-375 allow:</p> <table border="1" style="width: 100%; margin-top: 5px;"> <thead> <tr> <th>Substrate Temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>24 hours</td> <td>48 hours</td> </tr> <tr> <td>+20 °C</td> <td>15 hours</td> <td>24 hours</td> </tr> <tr> <td>+30 °C</td> <td>8 hours</td> <td>16 hours</td> </tr> </tbody> </table> <p>Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.</p>	Substrate Temperature	Minimum	Maximum	+10 °C	24 hours	14 days	+20 °C	12 hours	10 days	+30 °C	8 hours	7 days	Substrate Temperature	Minimum	Maximum	+10 °C	24 hours	48 hours	+20 °C	15 hours	24 hours	+30 °C	8 hours	16 hours
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Wartezeit bis zur Nutzung

Temperature	Foot Traffic	Light Traffic	Full Cure
+10 °C	24 hours	72 hours	7 days
+20 °C	12 hours	30 hours	5 days
+30 °C	5 hours	24 hours	4 days

Note: Times are approximate and will be affected by changing ambient conditions.

VERARBEITUNGSANWEISUNG

UNTERGRUNDQUALITÄT / VORBEREITUNG

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm². The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. If there are built-in metal profiles, remove them using a angle grinder or cutting torch, being careful not to produce sparks, which might be fire hazard. All dust, loose and friable material must be completely removed from all surfaces before installation of the floor joint panel, preferably by brush and vacuum. For the detailed description how to prepare the cutout, please refer to the Method Statement of Sika® Floor-Joint PDRS.

VERARBEITUNG

Please refer to the Method Statement of Sika® Floor-Joint PDRS.

WEITERE DOKUMENTE

Please refer to:

- Sika® Method Statement Mixing and Application of Flooring Systems
- Sika® Method Statement Surface Evaluation & Preparation

WEITERE HINWEISE

- 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 PB-30 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.
- Always refer to the manufacturer's instructions before using tools and mixing equipment.

MESSWERTE

Alle technischen Daten, Maße und Angaben in diesem Datenblatt beruhen auf Labortests. Tatsächlich gemessene Daten können in der Praxis aufgrund von Umständen außerhalb unseres Einflussbereiches abweichen.

LÄNDERSPEZIFISCHE DATEN

Die Angaben in diesem Produktdatenblatt sind gültig für das von der Sika Deutschland GmbH ausgelieferte Produkt. Bitte beachten Sie, dass Angaben in anderen Ländern davon abweichen können. Beachten Sie das im Ausland gültige Produktdatenblatt.

ÖKOLOGIE, GESUNDHEITS- UND ARBEITSSCHUTZ

Vor der Verarbeitung der Produkte muss der Anwender die dazugehörigen, aktuellen Sicherheitsdatenblätter (SDB) lesen. Das SDB gibt Informationen und Hinweise zur sicheren Handhabung, Lagerung und Entsorgung von chemischen Produkten und enthält physikalische, ökologische, toxikologische sowie weitere sicherheitsrelevante Daten.

RECHTLICHE HINWEISE

Die vorstehenden Angaben, insbesondere die Vorschläge für Verarbeitung und Verwendung unserer Produkte, beruhen auf unseren Kenntnissen und Erfahrungen im Normalfall, vorausgesetzt die Produkte wurden sachgerecht gelagert und entsprechend der Vorgaben unserer jeweiligen Produktdatenblätter angewandt. Wegen der unterschiedlichen Materialien, Untergründen und abweichenden Arbeitsbedingungen kann eine Gewährleistung eines Arbeitsergebnisses oder eine Haftung, aus welchem Rechtsverhältnis auch immer, weder aus diesen Hinweisen, noch aus einer mündlichen Beratung begründet werden, es sei denn, dass uns insoweit Vorsatz oder grobe Fahrlässigkeit zur Last fällt. Hierbei hat der Anwender nachzuweisen, dass er schriftlich alle Informationen und Kenntnisse, die zur sachgemäßen und erfolversprechenden Beurteilung durch Sika erforderlich sind, rechtzeitig und vollständig an Sika übermittelt hat. Der Anwender hat

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die Produkte auf ihre Eignung für den vorgesehenen Anwendungszweck eigenverantwortlich zu prüfen. Änderungen der Produktspezifikationen bleiben vorbehalten. Schutzrechte Dritter sind zu beachten. Im Übrigen gelten unsere jeweiligen Verkaufs-, Liefer- und Zahlungsbedingungen, einzusehen und herunterzuladen unter www.sika.de. Es gilt das jeweils neueste Produktdatenblatt, das von uns angefordert oder im Internet unter www.sika.de heruntergeladen werden kann.

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