

SYSTEMDATENBLATT

Sika® FloorJoint PS-30 S

PREFABRICATED POLYMER COMPOSITE FLOOR JOINT SYSTEM

BESCHREIBUNG

Sika® FloorJoint PS-30 S is a prefabricated, carbon-fibre-reinforced polymer composite floor panel system with high mechanical resistance. Its waved joint design allows for an improved load distribution and results in minimum vibrations under direct car and forklift traffic.

ANWENDUNG

Sika® FloorJoint PS-30 S ist nur für die Anwendung durch gewerbliche Verarbeiter bestimmt.

Sika® FloorJoint PS-30 S system is used in new build and refurbishment of joints for concrete / concrete screeds with normal up to medium 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, warehouses and production areas etc.

PRODUKTMERKMALE/ VORTEILE

- Grindable joint profile for level integration into the floor surface
- Hardly any vibrations noticeable under direct car and forklift traffic
- Thermal expansion coefficient similar to resin based floors
- Easy to install / Easy to repair
- Short down time / Trafficable after 24 h
- Waterproof system design possible
- High chemical resistance
- High mechanical resistance
- Non corroding
- For gaps in the substrate with a width of maximum 30 mm (max. positive joint movement = 20 mm)

PRÜFZEUGNISSE

Reaction to fire classification according to DIN EN 13301-1. Test report No.: KB-Hoch-140803

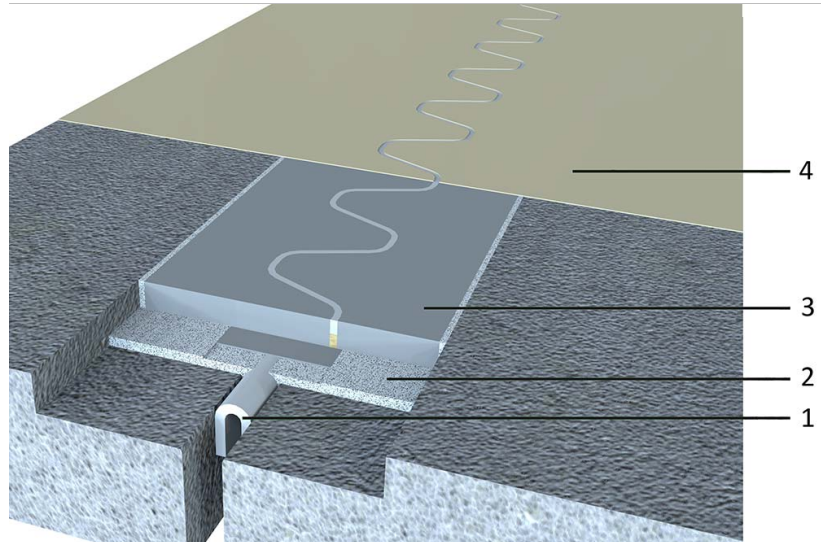
PRODUKTINFORMATIONEN

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 PS-30 S:



1. Backing rod	Screed edge stripping supplied in rolls of 50 m. Height: 80 mm–100 mm, thickness 5 mm.
2. Adhesive	Sikadur®-30 or Sikadur®-31 CF Normal
3. Floor panel	Sika® FloorJoint S
4. Floor coating	e.g. Sikafloor®-304 W/-264/-263 SL

Chemische Basis System	PUR
------------------------	-----

TECHNISCHE INFORMATIONEN

Brandverhalten	Bfl s1 (composite material of Sika® FloorJoint S panel)	(EN 13301-1)
----------------	---	--------------

Chemische Beständigkeit	Contact Sika technical service for specific information.
-------------------------	--

Fugenkonstruktion	Gap width ¹	Positive joint movement ²	Negative joint movement ³
	0 mm	+20 mm ⁴	-0 mm
	5 mm	+17.5 mm ⁴	-5 mm
	10 mm	+15 mm ⁴	-5 mm
	15mm	+12.5mm ⁴	-5 mm
	20 mm	+10 mm ⁴	-5 mm
	25 mm	+7.5 mm	-5 mm
	30 mm	+5 mm	-5 mm

1. Width of the gap in the concrete below Sika® FloorJoint PS-30 S during installation.
2. Positive joint movement is the amount the gap can open, compared to its original width during installation of Sika® FloorJoint PS-30 S. Don't exceed the maximum positive joint movement capacity, otherwise the teeth of the Sika® FloorJoint PS-30 S become unsupported and may break.
3. Negative joint movement is the amount the gap can close, compared to its original width during installation of Sika® FloorJoint PS-30 S.
4. The sealant may break at a positive joint movement of approx. 10–15 mm, however this does not affect the technical performance of Sika® FloorJoint PS-30 S. 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 Si-

ANWENDUNGSINFORMATIONEN

Materialverbrauch	Sika® FloorJoint PS-30 S System:			
	Coating	Product	Consumption	
	Adhesive	Sikadur®-30 or Sikadur®-31 CF Normal	~3–5 kg/linear meter (depending on the depth of the cut-out)	
	Floor Panel	Sika® FloorJoint S	1 piece for 1.2 linear meter	
Top Coat	Sikafloor®-304 W Sikafloor®-263 SL/ -264	~1–2 × 0.13 kg/m ² ~1–2 × 0.25-0.30 kg/m ²		
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®-304 W/-263 SL/-234 on Sikadur®-30/Sikadur®-31 CF Normal + Sika®-FloorJoint S allow:			
	Substrate Temperature	Minimum	Maximum	
	+10 °C	24 hours	14 days	
	+20 °C	12 hours	10 days	
	+30 °C	8 hours	7 days	
	Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			
Wartezeit bis zur Nutzung	Temperature	Foot Traffic	Light Traffic	Full Cure
	+10 °C	72 hours	6 days	10 days
	+20 °C	24 hours	4 days	7 days
	+30 °C	18 hours	2 days	5 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.

Refer to the Method Statement of Sika® FloorJoint SF for detailed description how to prepare the cut-out.

VERARBEITUNG

Refer to the Method Statement of Sika® FloorJoint S.

WEITERE DOKUMENTE

- Sika® Method Statement Mixing and Application of

- Sika® Method Statement Surface Evaluation & Preparation

WEITERE HINWEISE

- Products shall only be applied in accordance with their 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®-263 SL/ -264.
- Always store Sika FloorJoint® S panels in horizontal position
- Never remove the masking tape affixed to the bottom side of the Sika® FloorJoint S 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 concrete slabs on both sides of the joint. Apply appropriate measures like anchoring/bolting or ground consolidation by injection prior to installation of Sika® FloorJoint PS-30 S if necessary.
- Don't exceed the maximum positive joint movement capacity, otherwise the teeth of the Sika FloorJoint® S become unsupported and may break
- Settlement of the substrate or of the adhesive can result in cracks in Sika FloorJoint® S. 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 after grinding the letters on the top surface of Sika FloorJoint® S 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 approx. 10–15 mm, however this does not affect the technical performance of Sika® FloorJoint PS-30 S. 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 PS-30 S in case a waterproof joint design is required
- Continuously check the abrasion of the diamond cutting disk used for preparing the cut-out. Regularly re-adjust 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 erfolgversprechenden Beurteilung durch Sika erforderlich sind, rechtzeitig und vollständig an Sika übermittelt hat. Der Anwender hat 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.

Sika Deutschland GmbH

Flooring / Waterproofing
Kornwestheimer Straße 103-107
D-70439 Stuttgart
Telefon: 0711/8009-0
E-Mail:
flooring_waterproofing@de.sika.com



SYSTEMDATENBLATT

Sika® FloorJoint PS-30 S
Juli 2018, Version 01.01
020816900000000001

SikaFloorJointPS-30S-de-DE-(07-2018)-1-1.pdf