

SYSTEMDATENBLATT

Sika® FloorJoint PS-30 XS

PREFABRICATED POLYMER COMPOSITE FLOOR JOINT PANEL

BESCHREIBUNG

Sika® FloorJoint PS-30 XS 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. Sika® FloorJoint PS-30 XS is a (small) variation of Sika® FloorJoint PS-30 S.

ANWENDUNG

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

Sika® FloorJoint PS-30 XS is a floor joint system for new build and refurbishment of joints for concrete / concrete screeds for normal wear with minor joint movements e.g. for inner zones of storage and assembly halls, maintenance workshops, hospitals, schools and ware houses. Particularly used in the food and pharmaceutical industries, for show rooms, workshops, ware houses and production areas.

PRODUKTMERKMALE/ VORTEILE

- Grindable profile for level integration into the floor surface
- Thermal expansion coefficient similar to resin based floors
- Waterproof system design possible
- Hardly any vibrations noticeable under direct car and forklift traffic
- Short down time / Trafficable after 24 h
- High chemical resistance
- Easy to install / Easy to repair
- High mechanical resistance
- Non corroding
- For gaps in the substrate with a width of maximum 5 mm (max. positive joint movement = 3 mm)

PRÜFZEUGNISSE

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

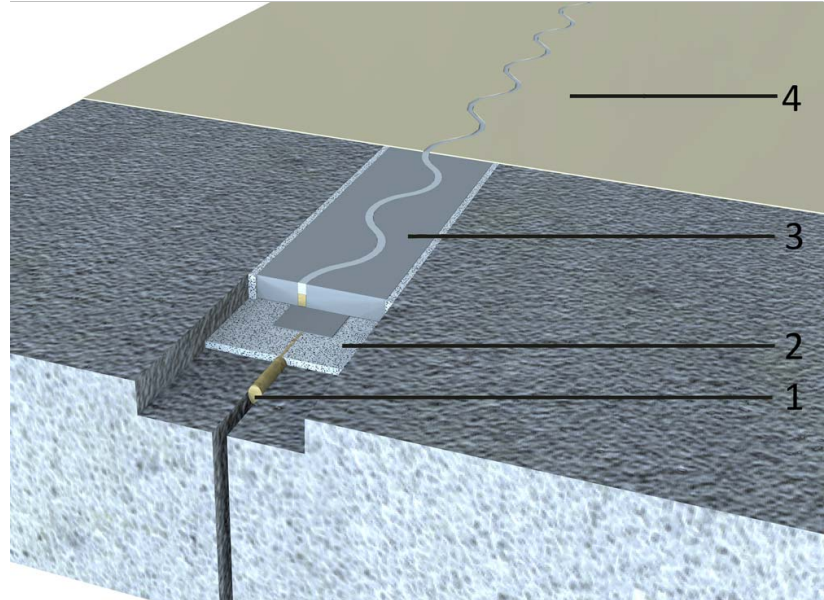
PRODUKTINFORMATIONEN

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 XS



1. Backing rod	Backing rod, 8 mm diameter
2. Adhesive	Sikadur®-30 or Sikadur®-31 CF Normal
3. Floor panel	Sika® FloorJoint XS
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)

Fugenkonstruktion

Gap width ¹	Positive joint movement ²	Negative joint movement ³
1 mm	+ 3,0 mm	- 1 mm
2 mm	+ 3,0 mm	- 2 mm
3 mm	+ 3,0 mm	- 2 mm
4 mm	+ 2,0 mm	- 2 mm
5 mm	+ 1,0 mm	- 2 mm

1. Width of the gap in the concrete below Sika® FloorJoint XS during installation.
2. Positive joint movement is the amount the gap can open, compared to its original width during installation of Sika® FloorJoint XS. Don't exceed the maximum positive joint movement capacity, otherwise the teeth of the Sika® FloorJoint XS 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 XS.

ANWENDUNGSINFORMATIONEN

Materialverbrauch

Sika® FloorJoint PS-30 XS System:

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020816900000000003

BUILDING TRUST



Coating	Product	Consumption
Adhesive	Sikadur®-30 or Sikadur®-31 CF Normal	~1–3 kg/linear meter (depending of the depth of the cut-out)
Floor Panel	Sika® FloorJoint XS	1 piece per 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	+10 °C min. / +30 °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/-264 on Sikadur®-30/Sikadur®-31 CF Normal + Sika® FloorJoint XS allow: <table border="1"> <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> Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			Substrate Temperature	Minimum	Maximum	+10 °C	24 hours	14 days	+20 °C	12 hours	10 days	+30 °C	8 hours	7 days				
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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 XS for detailed description how to

prepare the cut-out.

VERARBEITUNG

Refer to the Method Statement of Sika® FloorJoint XS

WEITERE DOKUMENTE

- Sika® Method Statement Mixing and Application of Flooring Systems
- 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®-359

- Always store Sika® FloorJoint XS panels in horizontal position.
- Never remove the masking tape affixed to the bottom side of the Sika® FloorJoint XS 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 XS if necessary.
- Don't exceed the maximum positive joint movement capacity, otherwise the teeth of the Sika® FloorJoint XS become unsupported and may break.
- Settlement of the substrate or of the adhesive can result in cracks in Sika® FloorJoint XS. 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 because it might reduce the mechanical resistance of the profile. Replace the panel if the maximum grinding depth has been exceeded.
- The joint movement of the building parts must be calculated by a structural engineer and made available to all parties involved
- The sealant may break at high positive joint movement, however this does not affect the technical performance of Sika® FloorJoint PS-30 XS. 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 XS in case a waterproof joint design is required.
- Periodically inspect the joint sealing material 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 20 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.

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LÄNDERSPEZIFISCHE DATEN

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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

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