

PRODUCT DATA SHEET

Sika® FloorJoint S

FLEXIBLE FLOOR JOINT REPAIR PANEL

PRODUCT DESCRIPTION

Sika® FloorJoint S is a polymer panel used to repair or replace damaged concrete floor joints. Its unique wave joint design allows it to flex with the adjoining slabs and eliminates point loading at the edges of the floor joint. Sika® FloorJoint S is ideal for joints in new construction or to repair existing floor joints.

- Outperforms floor joint fillers and sealers
- Similar thermal expansion coefficient to resin based floors
- No heavy traffic vibrations. Protects cargo from damage
- Maintains worker health and safety

USES

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

Flexible panel to repair or replace floor joints in concrete slabs on new construction and renovation projects.

Engineered for joints in concrete floors with normal to heavy wear such as factories, kitchens, maintenance workshops, hospitals, schools and warehouses.

- Sanitary integration with resinous floor systems
- Maintains zero elevation between adjoining slabs
- Reinforced carbon fiber composite for durability and long life
- High compressive strength and chemical resistance
- Greatly reduces damage to forklifts and other transport vehicles

CHARACTERISTICS / ADVANTAGES

- Expands and contracts with the slabs on gaps or cracks
- Eliminates heavy traffic vibrations. Protects loads from damage
- Simple installation reduces downtime
- High chemical and mechanical resistance
- Seamless transition with existing floors
- Maintenance -free
- Can be coated with Sikafloor systems
- Non-corrosive
- No welding required

PRODUCT INFORMATION

Chemical Base	Carbon fibre reinforced polymer (PUR)	
Packaging	47.25 inch X 9.84 inch segment	
Appearance / Color	Grey	
Shelf Life	3 years from date of production	
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 75°F (5°C) and 95°F (35°C) and must always be stored in the horizontal position in order to avoid bending. Always refer to packaging.	
Dimensions	Length	47 inch
	Width	9.84 inch
	Height	0.78 inch

TECHNICAL INFORMATION

Compressive Strength	~ 15,954 Psi (110 N/mm ²) after 14 days	ASTM C778 at 73 °F(23 °C)/ 50 % R.H	
Tensile Strength	~ 7251.89 Psi (110 N/mm ²) after 14 days	ASTM C778 at 73 °F(23 °C)/ 50 % R.H	
Chemical Resistance	Before applying for protection against specific chemical environments, consult Sikafloor Pronto Chemical Resistance Guide or contact Sika Technical Services.		
Joint Design	Gap width¹	Positive joint movement²	Negative joint movement³
	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
<ol style="list-style-type: none"> 1. Width of the gap in the concrete below Sika® FloorJoint panel during installation. 2. Positive joint movement is the amount the gap can open, compared to its original width during installation of Sika® floor Joint panel. Do not exceed the maximum positive joint movement capacity, otherwise the teeth of the Sika® floor Joint panel become unsupported and may be damaged. 3. Negative joint movement is the amount the gap can close, compared to its original width during installation of the Sika® floor Joint panel. 4. The sealant may break at a positive joint movement of ~10–15 mm, however this does not affect the technical performance of Sika® FloorJoint 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 S if a waterproof joint design is required. 			

APPLICATION INFORMATION

Coverage

1 piece per 1,2 linear metre of joint

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

- System should only be installed by an experienced flooring applicator.
- Always refer to the manufactures instructions before using the tools and mixing equipment.
- Products shall be applied in accordance with published data sheet.

Substrate moisture content

Moisture content of concrete substrate must be $\leq 4\%$ by mass (pbw -part by weight) as measured with a Tramex® CME/CM Expert type concrete moisture meter on mechanically prepared surface according to this product data sheet (preparation to CSP-3 to CSP-4 as per ICRI guidelines). do not apply to concrete substrate with moisture leveles $> 4\%$ mass (pbw-part by weight) as measured with Tramex® CME/CMExpert type concrete moisture meter. if moisture content of concrete substrate is $> 4\%$ by mass (pbw- part by weight) as measured with Tramex® CME/CMExpert type concrete moisture meter, use sika floor 1610

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

APPLICATION

- Cut parallel lines to a total of $9 \frac{3}{4}$ " wide.
- Chisel out saw cuts ensuring a minimum depth of 2.5 mm (0 .975 inches or approximately 975 mils).
- Make sure the existing concrete edge will not be damaged from the removal process.
- Remove all loose dirt, dust, debris. and free of all contaminations such as grease, coatings, oils etc.
- Ensure the concrete substrate must be sound.
- Place the panels in the opening to ensure proper fit. cut to length.
- Place closed foam cell backer rod into concrete joint , makeing sure the rod is below the surface of the prepared concrete.
- Mix Sikadur 31 in accordance with the data sheet.
- Apply Sikadur 31 in the cut out using the adjustable trowel to distribute the adhesive $\frac{3}{4}$ " below the elevation of the concrete floor.
- Apply Sikadur 31 to the bottom of the sika floor joint using $\frac{1}{4}$ " V notched trowel to avoid entrapped air when placing the panels.
- install the panels in to the freshly placed adhesive.
- Press on panel to ensure complete contact with all of the adhesives.
- The panel should lower or equal to the elevation of the adjacent concrete substrate.
- After curing of the adessive, grinding may be necessary to ensure an even transition
- Grout/fill the edges so no voids remain. remove excess grout material to reduce the amount of grinding needed.
- After the adhesive and grout has cured, grind the panel and substrate to ensure a smooth transition.
- After grinding the panel, coat with flooring system or seal with Sikafloor 304 W NA.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



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