

## PRODUCT DATA SHEET

## Sika® FloorJoint XS

Small-size, prefabricated, carbon fibre-reinforced floor joint panel

## DESCRIPTION

Sika® FloorJoint XS is a prefabricated, carbon fibre-reinforced polymer (CFRP) floor joint panel. It has high mechanical resistance and is designed for normal to medium wear. Its wave-like joint design improves load distribution and minimizes vibrations caused by direct traffic from cars and forklifts. The Product is used for substrate gaps ranging from 0 mm to 5 mm in width. Sika® FloorJoint XS, a compact version of Sika® FloorJoint S, is the primary component of the Sika® FloorJoint PS-30 XS system.

## USES

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

Accessories is used as a floor joint panel for newly-built and refurbished joints in concrete or concrete screeds in:

- Storage areas
- Assembly halls
- Manufacturing facilities and workshops
- Healthcare facilities and hospitals
- Schools and universities
- Warehouses
- Show rooms
- Pharmaceutical facilities

## FEATURES

- Grindable profile for level integration into the floor surface
- Reduces vibrations caused by direct traffic of cars and forklifts
- Thermal expansion coefficient similar to resin-based floors
- Easy to install
- Easy to repair
- Short down time - open to traffic after 24 hours
- Waterproof system design (optional)
- Very good resistance to specific chemicals
- Non-corroding
- Very good mechanical resistance

## PRODUCT INFORMATION

|                                                                     |                                 |            |
|---------------------------------------------------------------------|---------------------------------|------------|
| Composition                                                         | Carbon fibre-reinforced polymer |            |
| Packaging                                                           | Quantity per pallet             | 270 pieces |
|                                                                     | Weight per piece                | 2.8 kg     |
| Refer to the current price list for available packaging variations. |                                 |            |
| Appearance and colour                                               | approx. RAL 7037                |            |
| Shelf life                                                          | 5 years from date of production |            |

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**Storage conditions**

The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Store in a horizontal position. Always refer to packaging.

**Dimensions**

|        |         |
|--------|---------|
| Length | 1195 mm |
| Width  | 80 mm   |
| Height | 15 mm   |

**TECHNICAL INFORMATION**

| Compressive strength   | Cured 14 days at +23 °C and 50 % r.h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 60 N/mm <sup>2</sup>                            | (EN 196-1)   |                        |                                      |                                      |      |         |       |      |         |       |      |         |       |      |         |       |      |         |       |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------|------------------------|--------------------------------------|--------------------------------------|------|---------|-------|------|---------|-------|------|---------|-------|------|---------|-------|------|---------|-------|
| Tensile strength       | Cured 14 days at +23 °C and 50 % r.h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50 N/mm <sup>2</sup>                            | (EN 196-1)   |                        |                                      |                                      |      |         |       |      |         |       |      |         |       |      |         |       |      |         |       |
| Reaction to fire       | Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | B <sub>fl</sub> -s1 (polymer material of panel) | (EN 13501-1) |                        |                                      |                                      |      |         |       |      |         |       |      |         |       |      |         |       |      |         |       |
| Chemical resistance    | Resistant to many chemicals. Contact Sika Technical Services for specific information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |              |                        |                                      |                                      |      |         |       |      |         |       |      |         |       |      |         |       |      |         |       |
| Joint design           | <p>IMPORTANT</p> <p><b>Damage due to exceeded positive joint movement capacity</b></p> <p>Exceeding the maximum positive joint movement capacity can result in the teeth of the Sika® FloorJoint panel becoming unsupported, increasing the risk of damage.</p> <p>1. Do not exceed the maximum positive joint movement capacity.</p> <table><tr><th>Gap width<sup>1</sup></th><th>Positive joint movement<sup>2</sup></th><th>Negative joint movement<sup>3</sup></th></tr><tr><td>1 mm</td><td>+3.0 mm</td><td>-1 mm</td></tr><tr><td>2 mm</td><td>+3.0 mm</td><td>-2 mm</td></tr><tr><td>3 mm</td><td>+3.0 mm</td><td>-2 mm</td></tr><tr><td>4 mm</td><td>+2.0 mm</td><td>-2 mm</td></tr><tr><td>5 mm</td><td>+1.0 mm</td><td>-2 mm</td></tr></table> <p><sup>1</sup> The width of the gap in the concrete under the Sika® FloorJoint panel during installation</p> <p><sup>2</sup> Indicates by how much the joint can expand compared to its original width during the installation of the Sika® FloorJoint panel</p> <p><sup>3</sup> Indicates by how much the joint can contract compared to its original width during the installation of the Sika® FloorJoint panel</p> |                                                 |              | Gap width <sup>1</sup> | Positive joint movement <sup>2</sup> | Negative joint movement <sup>3</sup> | 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 |
| Gap width <sup>1</sup> | Positive joint movement <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Negative joint movement <sup>3</sup>            |              |                        |                                      |                                      |      |         |       |      |         |       |      |         |       |      |         |       |      |         |       |
| 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                                           |              |                        |                                      |                                      |      |         |       |      |         |       |      |         |       |      |         |       |      |         |       |

**APPLICATION INFORMATION**

|                    |                                          |
|--------------------|------------------------------------------|
| <b>Consumption</b> | 1 piece per 1.195 linear metres of joint |
|--------------------|------------------------------------------|

**BASIS OF PRODUCT DATA**

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.

**FURTHER DOCUMENTATION**

- Sika Method Statement — Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement: Sika Method Statement — Sika® FloorJoint S & Sika® FloorJoint XS
- System Data Sheet for Sika® FloorJoint PS-30 XS

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**BUILDING TRUST**



## ECOLOGY, HEALTH AND SAFETY

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)

## APPLICATION INSTRUCTIONS

### APPLICATION

#### IMPORTANT

##### **Observe conditions for exterior use**

The Product may be used for exterior applications only if the following conditions are met.

1. Traffic speed must be limited to < 30 km/h (< 19 mph).
2. Protect the Sika® FloorJoint panel with a UV-resistant coating.

#### IMPORTANT

##### **Do not remove the masking tape**

The masking tape is necessary to separate the two composite parts of the panel separate, enabling joint movement after installation.

1. Never remove the masking tape attached to the underside of the Sika® FloorJoint panel.

#### IMPORTANT

##### **Risk of relative vertical displacement along the sides of the joint**

Vertical displacement of the concrete slabs along the length of either side of the joint can result in damage or performance variations of the Sika® FloorJoint panel.

1. Take appropriate measures such as anchoring, bolting, or ground consolidation by injection prior to installing the Sika® FloorJoint panel.

#### IMPORTANT

##### **Reduced mechanical resistance due to excessive grinding depth**

If you can no longer see the letters on the top surface of the Sika® FloorJoint panel after grinding, the maximum grinding depth of 2 mm has been exceeded, resulting in a reduction of the profile's mechanical resistance.

1. Do not exceed the maximum grinding depth of 2 mm.
2. Replace the panel if the maximum grinding depth has been exceeded.

#### IMPORTANT

##### **Be careful when placing or adjusting the panel**

1. Do not use a hammer to place or adjust the Sika® FloorJoint panel during installation.

##### **Preparing the cut-out**

1. Continuously monitor the abrasion of the diamond cutting disc used for preparing the cut-out.
2. Regularly readjust the disc to ensure consistent preparation of cuts at a depth of 25 mm.

##### **Making the joint waterproof and maintaining the joint sealing material**

Note: The sealant may break during positive joint movement of ~10–15 mm, however this does not affect the technical performance of the Product. The purpose of the joint sealant is the reduction of dirt pick-up in the joint, not to provide water tightness.

1. Install Sikadur-Combiflex® SG System to the base of the joint before installing the Product if a waterproof joint design is required.
2. After installation, inspect the joint sealing material as part of the maintenance procedure.
3. Renew the joint sealing material if required.

Reference must be made to further documentation where applicable, such as relevant method statements, application manuals and installation or working instructions. Refer to the Sika Method Statement Sika Method Statement — Sika® FloorJoint S & Sika® FloorJoint XS.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the

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present product data sheet should be seen as recommended, unless stated otherwise.

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