



PRODUCT DATA SHEET

Sika FastFix®-110

POLYMERIC SAND

PRODUCT DESCRIPTION

Sika FastFix®-110 is a high performance polymeric sand designed specifically for filling joints between interlocking pavers, stone, bricks and slabs. Sika FastFix®-110 provides a durable joint that resists erosion, weed growth and insects.

WHERE TO USE

- Joints between interlocking pavers, stone, bricks and slabs.
- For residential and commercial projects including pedestrian walkways, patios, driveways, around pools, parking areas and light traffic roadways.

CHARACTERISTICS / ADVANTAGES

- Fast gel time to resist unexpected rain after installation.
- Increased flexibility and durability.
- Resistant to weed growth and deters insects.
- Washout resistant.
- Can be applied at a range in joint thickness from 3 to 100 mm (1/8 to 4 in).

PRODUCT INFORMATION

Packaging	22.7 kg (50 lb) bag
Shelf Life	12 months in original, unopened bag.
Storage Conditions	Store dry, ensuring that product is not exposed to rain, condensation or high humidity.
Appearance / Colour	Available in Grey or Beige

APPLICATION INFORMATION

Yield

Narrow Joints	5.6 - 8.4 m ² (60 - 90 ft ²)
Wide Joints	1.8 - 3.7 m ² (20 - 40 ft ²)

Yield will vary depending on the size of the joints and the size of pavers used.

Ambient Air Temperature

Minimum	5 °C (40 °F)
Maximum	35 °C (95 °F)

Substrate Temperature

Minimum	5 °C (40 °F)
Maximum	35 °C (95 °F)

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- Important: Protect stored material from exposure to rain, condensation and high humidity as moisture may penetrate packaging, causing lumps.
- Minimum Joint Thickness: 3 mm (1/8 in).
- Maximum Joint thickness: 100 mm (4 in).
- Minimum ambient and surface temperatures at the time of application: 5 °C (40 °F) and above.
- Protect joints from rain for a minimum of 24 hours, and if joints are wider than 13 mm (1/2 in) protect the joints from rain for 48 hours.
- The entire paver joint must be filled with Sika FastFix®-110, do not partially fill joints with any another material.
- Do not overwater Sika FastFix®-110 during application and stop showering once the material can no longer accept water.
- Do not displace the Sika FastFix®-110 with water during showering.
- Do not use a water hose with a nozzle that generates a high pressure jet or creates large water droplets.
- Do not use in areas that are submerged or constantly wet. Joints can soften when saturated with water but will harden again after drying.
- Do not use in conjunction with pavers or stone installed directly over a concrete slab. A drainage base is required between the concrete slab and pavers to ensure that the joints do not remain saturated. See ICPI Tech Spec #2 for further information.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Install Pavers - Use an appropriate bedding mix for final leveling of the application surface, and provide an appropriate drainage base in accordance with the recommendations of ICPI Tech Spec #2. Install the interlocking pavers, stone, bricks or slabs.

Compact Pavers (Empty Joints) - After the paver surface has been installed, it must be compacted using a plate compactor for interlocking pavers, bricks or slabs and a roller compactor for natural stone. In the case that the slabs are too large or sensitive (porcelain) for a plate compactor, manual compaction must be achieved using a rubber mallet. Ensure that the joints are free of any excess bedding mix, laitance or debris.

Prior to Installation - Ensure that the pavers and joints are as **dry** as possible, as moisture can cause the Sika FastFix®-110 to prematurely gel prior to installation. It is recommended to plan for 24 hours without rain in order to achieve the best results. For joints wider than 13 mm (1/2 in), it is recommended to plan for 48 hours without rain. The ambient temperature must be above 5 °C (40 °F) for a minimum of 48 hours after installation. It is recommended to apply Sika FastFix®-110 in a small area of approximately 0.6 m x 0.6 m (2 ft x 2 ft), to ensure the product meets the performance and aesthetic requirements of the project.

APPLICATION

Sweep Into Joints and Compact – Spread Sika FastFix®-110 evenly over the joints between the pavers and use a hard-bristle brush to sweep the product flush with the paver surface. Compact the Sika FastFix®-110 by running a plate compactor over the pavers in several different directions. Repeat this triple-step action (spreading the sand, sweeping into joints, compacting) at least twice. If a vibrating-plate compactor cannot be used, use a roller compactor or tamp the pavers with a rubber mallet to ensure that the Sika FastFix®-110 is densely packed into the joints. Ensure that the finished level of the Sika FastFix®-110 is at least 3 mm (1/8 inch) lower than the chamfer of the pavers. A leaf blower can be used to level the height of Sika FastFix®-110 in the joint and remove any excess material on the paver surface as needed.

Shower the Sika FastFix®-110 – Use a garden hose or other system capable of generating a medium fine shower. Begin from the bottom of a slope and finish at the top. Do not interrupt or stop the wetting procedure. At a height of 1 m (3.2 ft), wet a specific paver area for 1 minute or until the sand can no longer absorb water. Wet no more than 5 m² (52.8 ft²) at a time when joints are larger than 13 mm (1/2 in).

Blow-Off Remaining Water on Surface – Use a leaf blower to remove any excess surface water lying on paver pores and crevices. This blowing action is necessary to help remove any remaining Sika FastFix®-110 residue left on paver surfaces from previous steps.

NOTE – The water used to shower the Sika FastFix®-110 will activate a bonding action and also condense the sand in the joints. If the two previous steps are not completed properly, a white haze may appear on the surface of the pavers after installation. This is due to excess Sika FastFix®-110 or residue left on pavers. The haze will dissipate over time, but it can also be removed using an appropriate concrete cleaner. Avoid using a pressure washer as it may remove the hardened Sika FastFix®-110 in the paver joints.

CURING TREATMENT

Allow the surface to dry for 24 hours before opening to foot traffic, and 72 hours before opening to vehicular traffic. Longer drying times may be required when temperatures are below 21 °C (70 °F) for the first 24-72 hours after installation of Sika FastFix®-110. Protect joints from rain for a minimum of 24 hours. Ensure that any sprinkler systems that are in close proximity to the newly applied Sika FastFix®-110 remain off for a minimum of 72 hours after installation.

CLEAN UP

Clean any tools or equipment after use with water. Be sure to follow application steps properly. Remove excess Sika FastFix®-110 with a leaf blower prior to showering and excess water after showering to reduce the risk of hazing.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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