



PRODUCT DATA SHEET

Edition 12.2018/v1

Sikaflex® Mortar Fix

ONE-COMPONENT, ALL PURPOSE, POLYURETHANE SEALANT

Description	Sikaflex® Mortar Fix is a moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant capable of ± 25 % joint movement. Meets Federal specification TT-S-00230C, Type II and ASTM C 920, Type S, Grade NS.						
Where to Use	<ul style="list-style-type: none"> ▪ Designed for all types of joints where maximum depth of sealant will not exceed 13 mm (1/2 in). ▪ Suitable for vertical and horizontal joints; readily placeable at 4 °C (40 °F). ▪ Has many applications as an elastic sealant between materials with dissimilar coefficients of expansion. ▪ Ideal for: <ul style="list-style-type: none"> - Weatherproofing of joints between brickwork, blockwork, masonry, wood and concrete or metal frames. - Joints in walls, balconies, around window or door frames. - Expansion joints. 						
Advantages	<ul style="list-style-type: none"> ▪ Excellent adhesion – bonds to most construction materials without a primer. ▪ Textured appearance blends well to rough or stucco type surfaces. ▪ Hides imperfections from tooling that a smooth sealant does not. ▪ Excellent resistance to aging, weathering. ▪ Non-staining. ▪ Paintable with water-, oil- and rubber-based paints. ▪ High elasticity – cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance. ▪ Stress relaxation. ▪ Urethane-based; suggested by EPA for radon reduction. 						
Technical Data							
Packaging	Disposable 300 mL (10.1 US fl. oz) moisture-proof composite cartridges, 24/case.						
Colour	Limestone						
Yield	One (1) 300 mL (10.1 US fl. oz) cartridge seals 3.72 linear m (12.2 linear ft) of 13 mm x 6 mm (1/2 in x 1/4 in) joint.						
Shelf Life	12 months in original unopened packaging. Store at temperatures between 4 and 35 °C (40 and 95 °F). Condition material to 18 to 24 °C (65 to 75 °F) before using.						
Application Temperature	4 to 38 °C (40 to 100 °F). Sealant should be installed when joint is at midrange of its anticipated movement.						
Service Range	-40 to 77 °C (-40 to 170 °F)						
Properties at 23 °C (73 °F) and 50 % R.H.							
Curing Rate	Tack-free time: approx. 5 hours. Final cure: 7 days						
Shore A Hardness	35±5						
Adhesion in Peel ASTM C794	<table border="0"> <tr> <td>Concrete</td> <td>Meets ASTM C920</td> </tr> <tr> <td>Aluminum</td> <td>Meets ASTM C920</td> </tr> <tr> <td>Glass</td> <td>Meets ASTM C920</td> </tr> </table>	Concrete	Meets ASTM C920	Aluminum	Meets ASTM C920	Glass	Meets ASTM C920
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Aluminum	Meets ASTM C920						
Glass	Meets ASTM C920						
Weathering Resistance	Excellent						
Chemical Resistance	Good resistance to water, diluted acids, and diluted alkalines. Contact Sika Canada for specific data.						
<i>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.</i>							

HOW TO USE

Surface Preparation	Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease and any other contaminants. Install bond breaker tape or backer rod to prevent bond at base of joint.
Priming	Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure. Consult Sikaflex® Primers Product Data Sheet or contact Sika Canada for additional information on priming.
Application	Recommended application temperatures: 4 to 38 °C (40 to 100 °F). For cold weather application, condition units at approximately 21 °C (70 °F). For best performance, Sikaflex® Mortar Fix should be gunned into joint when joint slot is at mid-point of its designed expansion and contraction. Place nozzle of gun into bottom of the joint and fill entire joint. Keep the nozzle in the sealant, continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping of sealant to eliminate entrapment of air. Tool sealant to ensure full contact with joint walls and remove air entrapment. Joint dimension should allow for 6 mm (1/4 in) minimum and 13 mm (1/2 in) maximum thickness for sealant. Proper design is 2:1 width to depth ratio.

Clean Up	Uncured material can be removed from equipment and tools using Sika® Equipment Cleaner. Cured material can only be removed manually or mechanically. For removal of uncured material from hands and sensitive surfaces, use Sika® Hand Cleaner towels.
Limitations	<ul style="list-style-type: none"> ▪ When over-coating with water, oil and rubber based paints, compatibility and adhesion testing is essential. ▪ Avoid exposure to high levels of chlorine. (Maximum continuous level is 5 ppm of chlorine). ▪ Maximum depth of sealant must not exceed 13 mm (1/2 in); minimum depth is 6 mm (1/4 in). ▪ Maximum expansion and contraction should not exceed 25 % of average joint width. ▪ Do not cure in the presence of curing silicone sealants. ▪ Avoid contact with alcohol and other solvent cleaners during cure. ▪ Do not apply when moisture-vapour-transmission condition exists from the substrate as this can cause bubbling within the sealant. ▪ Use opened cartridges the same day. ▪ When applying sealant, avoid air-entrapment. ▪ Since system is moisture-cured, permit sufficient exposure to air. ▪ White colour tends to yellow slightly when exposed to ultraviolet rays. ▪ Light colours can yellow slightly if exposed to direct gas fired heating elements prior to the formation of initial skin. ▪ The ultimate performance of Sikaflex® Mortar Fix depends on good joint design and proper application with joint surfaces properly prepared. ▪ Do not tool with detergent or soap solutions.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN

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, within their shelflife. 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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