



PRODUCT DATA SHEET

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ELASTOMERIC JOINT SEALANTS

Sikaflex® Primers (429, 449, 260)

SURFACE CONDITIONERS AND ADHESION PROMOTERS FOR Sikaflex® SEALANTS

Description Sikaflex® primers are specially formulated to be used on specific substrates with Sikaflex® polyurethane sealants. Most substrates require a primer only if testing shows need and where the sealant will be underwater after cure. Some substrates do require a primer under all conditions.

Sikaflex® Primer-429
Sikaflex®-429 is used to promote adhesion to clean, sound and dry concrete, masonry and wood including teak and mahogany prior to placing Sikaflex® sealants.

Sikaflex® Primer-449
Sikaflex®-449 is used to promote adhesion to PVC, solvent-based enamel, fluorocarbon Duranar® finishes, and some plastics such as ABS and Plexiglas/Lucite.

Sikaflex® Primer-260
Sikaflex®-260 is a dual-purpose clear, almost colourless primer. It is used for promoting adhesion of polyurethane sealants to various metallic, non-metallic and glass substrates.

- Advantages**
- One-component primer packaged in 473 mL (16 US fl. oz) tin, ready to use.
 - Easily applied by brush, dauber or spray.

Technical Data			
Packaging	473 mL tin (16 US fl. oz), 6/case		
Colour	Clear (almost colourless)		
Yield	429	449	260
per 473 mL (16 US fl. oz) tin	Linear metre (Linear foot)		
13 x 13 mm (1/2 x 1/2 in) joint	90 (295)	90 - 150 (295 - 490)	90 - 150 (295 - 490)
Coverage m ² /L (ft ² /US gal.) (approx.)	5 (14)	5 - 8 (14 - 23)	5 - 8 (14 - 23)
Shelf Life	6 months in original, unopened package. Store dry between 5 and 32 °C (41 and 89 °F). Condition product between 18 to 27 °C (65 to 81 °F) before using.		
Properties at 23 °C (73 °F) and 50 % R.H.			
	Sikaflex® Primers		
	429	449	260
Specific Gravity	1	0.9	0.8
Viscosity			
NO.2 Zahn (sec.)	-	17	12-16
Brookfield, MPa.s (cps)	135	-	-
VOC Content	491,5 g/L	670,7 g/L	879 g/L
Chemical Resistance	Consult Sika Canada		
<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 The key to good adhesion with Sikaflex® sealants is surface preparation. Specifically, all surfaces must be dry and free of dirt, grease, form release agent, loose mortar, laitance and any foreign matter. If the joint contains old sealant, it must be removed and the substrate cleaned by mechanical means. Apply primers at substrate temperatures of 4 °C (39 °F) and rising. Surface must be frost-free.

RECOMMENDATIONS - PRIMERS AND SEALANTS

Construction substrate	Surface Preparation	SikaBond® Constr. Adhesive Sikaflex®-1a	Required Primer	Sikaflex®-15LM	Required Primer	Sikaflex®-2C NS EZ/SL	Required Primer	
Concrete & Masonry	Surfaces must be clean, sound, dry and free of form oils, grease, or treatments that prevent proper adhesion. Mechanical abrasion may be required. Substrate conditions will change for each job and a test application is recommended to establish the need for or type of preparation required. For best results, primer may be required, on some jobs.	Acceptable	N.R. Sikaflex®-429 (If necessary)	Acceptable	N.R. Sikaflex®-429 (If necessary)	Acceptable	N.R. Sikaflex®-429 (If necessary)	
Concrete block		↓	↓	↓	↓	↓	↓	
Placed concrete		↓	↓	↓	↓	↓	↓	
Precast concrete		↓	↓	↓	↓	↓	↓	
Mortar		↓	↓	↓	↓	↓	↓	
Grout		↓	↓	↓	↓	↓	↓	
Brick		↓	↓	↓	↓	↓	↓	
SikaTops	↓	↓	↓	↓	↓	↓		
Stone	Surfaces must be clean and dry. Test applications are recommended to determine need for and type of surface preparation Primer may be required.	Acceptable	N.R. Sikaflex®-429 (If necessary) Sikaflex®-260 (If necessary)	Acceptable	N.R. Sikaflex®-429 (If necessary) Sikaflex®-260 (If necessary)	Acceptable	N.R. Sikaflex®-429 (If necessary) Sikaflex®-260 (If necessary)	
Granite		↓	↓	↓	↓	↓	↓	
Marble		↓	↓	↓	↓	↓	↓	
Paints	Surfaces must be clean and dry. Wipe the surface with a clean rag to remove any dust. Since the paint formulation may change, a test application is recommended.	Do not use	N/A	Do not use	N/A	Do not use	N/A	
Acrylic Latex		↓	↓	↓	↓	↓	↓	
Emercoat 33		↓	↓	↓	↓	↓	↓	
DeSoto Fluoropon		↓	↓	↓	↓	↓	↓	
PPG Duracron S600		↓	↓	↓	↓	↓	↓	
Solvent-based enamel		↓	↓	↓	↓	↓	↓	
PPG Fluorocarbon Duranar		↓	↓	↓	↓	↓	↓	
Plastic	Surfaces must be clean and dry. Dry and/or solvent-wipe* with clean rags.	Acceptable	Sikaflex®-449	Acceptable	Sikaflex®-449	Acceptable	Sikaflex®-449	
PVC		↓	↓	↓	↓	↓	↓	
ABS		↓	↓	↓	↓	↓	↓	
Plexiglas		↓	↓	↓	↓	↓	↓	
Plexiglas DR		↓	↓	↓	↓	↓	↓	
Lucite		↓	↓	↓	↓	↓	↓	
Rovel Plastic1		↓	↓	↓	↓	↓	↓	
Lexan		↓	↓	↓	↓	↓	↓	
Teflon		↓	↓	↓	↓	↓	↓	
Polyethylene		↓	↓	↓	↓	↓	↓	
Polypropylene		↓	↓	↓	↓	↓	↓	
Tuffak		↓	↓	↓	↓	↓	↓	
Polyester/ Fibreglass		↓	↓	↓	↓	↓	↓	
Glass		Surfaces must be dry and free of all contaminants. Surfaces should be dry and/or solvent-wiped.* The solvent used should be checked for compatibility with adjacent materials that it will contact.	Acceptable		Acceptable		Acceptable	
Glass-sheet, float or plate			↓	↓	↓	↓	↓	↓
Porcelain	↓		↓	↓	↓	↓	↓	
Ceramic tile	↓	↓	↓	↓	↓	↓		
Metal	Surfaces must be dust- and oil-free. Dry and/or solvent-wipe* with clean rags. Remove oxide by sanding. Dry and/or solvent-wipe* with clean rags.	Acceptable	N.R. Sikaflex®-260 (If necessary)	Acceptable	N.R. Sikaflex®-260 (If necessary)	Acceptable	N.R. Sikaflex®-260 (If necessary)	
Aluminium - anodized		↓	↓	↓	↓	↓	↓	
Aluminium - mill finish		↓	↓	↓	↓	↓	↓	
Lead		↓	↓	↓	↓	↓	↓	
Copper		↓	↓	↓	↓	↓	↓	
Brass		↓	↓	↓	↓	↓	↓	
Zinc		↓	↓	↓	↓	↓	↓	
Tinplate		↓	↓	↓	↓	↓	↓	
Steel (bright/clean)		↓	↓	↓	↓	↓	↓	
Steel (stainless)		↓	↓	↓	↓	↓	↓	
Steel (galvanized)		↓	↓	↓	↓	↓	↓	
Rubber	Due to varying formulations, test applications are necessary in each case to determine compatibility.	Acceptable	N.R. Sikaflex®-449 (If necessary)	Acceptable	N.R. Sikaflex®-449 (If necessary)	Acceptable	N.R. Sikaflex®-449 (If necessary)	
Urethane		↓	↓	↓	↓	↓	↓	
Wood	Surfaces must be clean and dry. Treated wood must be tested for adhesion.	Acceptable	N.R. Sikaflex®-429 (If necessary)	Acceptable	N.R. Sikaflex®-429 (If necessary)	Acceptable	N.R. Sikaflex®-429 (If necessary)	
Unfinished wood		↓	↓	↓	↓	↓	↓	
Others	N/A	Do not use	N/A	Do not use	N/A	Do not use	N/A	
Asphaltic substrates		↓	↓	↓	↓	↓	↓	

N/A = Not applicable

N.R. = Sealant has been found to bond to the surface without need of primer.

1 = Slight surface attack may result from primer

* = Solvent handling requirements - Do not use alcohol or alcohol-containing solvents.

Solvents are volatile and flammable and should be kept away from heat and open flames. Use only with adequate ventilation and avoid prolonged breathing of vapour. Avoid contact of vapour with open flame or sparks. When these solvents are used, as described, proper safety precautions must be observed. All solvents must be considered toxic and should be used only in well-ventilated areas. Prolonged exposure to solvent vapours must be avoided. If flammable solvents are used, storage, mixing and use must be in areas away from open flames or other sources of ignition. The selection of any solvent, particularly chlorinated hydrocarbon solvents, will require consideration of applicable federal, provincial and local regulations. Safety Data Sheets outlining the known hazards and safety precautions associated with the product or solvent used, are published for most materials and may be obtained from appropriate suppliers and used accordingly.



Application	<p>Shake primer well before using. Apply to dry, clean, oil-free surface with a brush, dauber or spray. Drying time before installing sealant: Sikaflex® Primers 429 & 260 between 1 and 8 hours* 449 between 30 minutes and 8 hours* Primer should not be used if starting to gel in container. *If sealant cannot be installed within 8 hours of priming, re-prime.</p>
Limitations	<ul style="list-style-type: none"> ▪ Protect Sikaflex® Primers from moisture. ▪ Once container has been opened, use content immediately. ▪ Do not attempt to use partial containers. ▪ Do not reseal or re-use. ▪ Resealing may cause moisture contamination and gelling.
Health and Safety Information	<p>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.</p> <p>KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY</p>

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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