

SikaFast®-3081 N

White Activator Part B Component

To be used only with SikaFast® 3100 Series Products

Technical 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.

Properties	Component A: SikaFast®-3100 Series	Component B: SikaFast®-3081 N
Chemical base	Toughened 2-component acrylic	
Color	Natural Dark Gray	White
Color mixed	Natural/ White = Straw Dark Gray/White = Dark Gray	
Viscosity, Approximate (Brookfield T _E @ 10 RPM)	130,000 cps	
Cure mechanism	Free Radical Polymerization	
Density (Typical)	8.0 lb/gal	10.8 lb/gal
Density mixed (Typical)	8.3 lb/gal	
Mixing ratio (Typical)	by volume by weight	10 : 1 7.4 : 1
Consistency (mixed)	Non-Sag Paste	
Application temperature, Approximate	product 50–95°F (10 – 35°C)	
Shelf life ²	Drums & Pails 9 months	Pails 9 months
	Cartridges 9 months	

¹⁾ 72°F (22°C) / 50% r.h.

²⁾ Stored below 72°F (22°C) and no exposure to direct sun light

Description

SikaFast®-3081 N is the activator component B for SikaFast®-3100 Series two-part acrylic structural adhesives. It is mixed one part by volume with ten parts by volume of SikaFast®-3100 Series Part A adhesives. The product is sold in bulk (4.5 gallon pails) for use in metered mix dispense systems, and as the B-Component paired with A Component in cartridge dispensing.

SikaFast®-3100 series adhesives are 10:1 two-part structural adhesives designed to substitute or complement welding, riveting, clinching and other mechanical fastening techniques used in many structural manufacturing applications. They are suitable for bonding sidewall panels, roofs, floors, and parts made of aluminum, stainless or galvanized steel and fiber reinforced polymers.

Method of Application

Mixing

Refer to the applicable SikaFast®-3100 Series Product Data Sheets and Material Safety Data Sheets for details on all product applications, surface preparation, and usage instructions. Product Data Sheets and Material Safety Data Sheets can be obtained at www.sikausa.com, by contacting your Sika Representative or by contacting tshm@sika-corp.com.

Application

PRIOR TO USE READ CURRENT TECHNICAL DATA SHEET AND MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT AVAILABLE AT WWW.SIKAUSA.COM.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

Industry



Comp. A

DANGER: FLAMMABLE, IRRITANT, SENSITIZER. Contains Methyl methacrylate (CAS 80-62-6), Diisodecyl Adipate (CAS 27178-16-1), 2-Hydroxyethyl methacrylate phosphate (CAS 52628-03-2). **Keep away from heat, sparks, sunlight, electrical equipment, flame or other sources of ignition. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE.** Use only in well ventilated areas. Open doors and windows during use. Eye/skin/respiratory irritant. May cause skin sensitization after contact. May be harmful if swallowed. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Inhalation can result in headaches and dizziness. **Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.**

Comp. B

WARNING: COMBUSTIBLE, IRRITANT, SENSITIZER –Contains Benzoyl Peroxide (CAS 94-36-0), Tris(methylphenyl) Phosphate (CAS 1330-78-5), and Bisphenol A / Epichlorohydrin Epoxy Resin (CAS 25068-38-6). **Keep away from heat, sparks, electrical equipment, and open flame. DO NOT SMOKE.** Use only in well ventilated areas. Irritating to eyes, skin and respiratory irritation. May cause skin sensitization by contact. Harmful if swallowed. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

HMIS

	Part A	Part B Drums/Pails	Part B Cartridges
Health	*2	*2	*2
Flammability	3	2	2
Reactivity	0	1	1
Personal Protection	C	C	C

Comp. A and Comp. B

First Aid Measures

Eyes – Hold eyelids apart and flush thoroughly with tepid water for 15 minutes. **Skin** – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and tepid water. **Inhalation** – Remove to fresh air. **Ingestion** – Do not induce vomiting. Dilute with water. Contact physician. **In all cases contact a physician immediately if symptoms persist.**

Further Information

Copies of the following publications are available on our website www.sikausa.com or by contacting tsmh@sika-corp.com:

- Material Safety Data Sheets
- Product Data Sheet

In case of emergency call:

Chemtrec: 800-424-9300
International: 703-527-3887

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety related data. It is highly recommended to read the actual Material Safety Data Sheet before using the product.

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

Packaging Information

Pail ¹ (comp. B)	4.5 gal
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¹) 5 gallon plastic or metal straight side pail

Value Basis

All technical data stated on this Product Data Sheet are based on the results of laboratory tests only. Actual measured data in the field may vary due to site specific conditions which are not known to Sika and beyond our control.

Comp. A: Handling and Storage

Keep away from heat, sparks, sunlight, electrical equipment or flame. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE. Open doors and windows during use. Use adequate local and mechanical ventilation. Wear protective equipment (chemically resistant gloves/ goggles/ clothing) to prevent direct contact with skin and eyes. Use properly fitted NIOSH vapor cartridge respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing after use. Store product in tightly sealed containers in a cool, dry well ventilated area at temperatures between 50°F and 72°F (10°C and 22°C) away from ignition sources.

Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures

against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

Keep stored in original containers below 72°F (22°C) and avoid exposure to direct sunlight. Prolonged exposure of Activator Component B to temperatures above 90°F (32°C) should be avoided. Exposure to temperatures above 95°F (35°C) will rapidly decrease shelf life. Total exposure to temperatures in the range of 90°F- 95°F (32°C-35°C) should not exceed 14 days.

Comp B: Handling and Storage

Keep away from heat, sparks, sunlight, electrical equipment or flame. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE. Open doors and windows during use. Use adequate local and mechanical ventilation. Wear protective equipment (chemical resistant gloves / goggles / clothing) to prevent direct contact with skin and eyes. Use properly fitted NIOSH vapor cartridge respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing after use. Store product in tightly sealed containers in a cool, dry, well ventilated area at temperatures between 50°F and 72°F (10°C and 22°C) away from ignition sources. **Material can become unstable at high temperatures and pressures.**

Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

Keep stored in original containers between 50°F and 72°F (10°C and 22°C) and avoid exposure to direct sunlight. Prolonged exposure of product to temperatures above 90°F (32°C) should be avoided. Exposure to temperatures above 95°F (35°C) will rapidly decrease shelf life. Total exposure to the 90°F- 95°F (32°C-35°C) range should not exceed 14 days. Refrigeration of components will extend shelf life. No formal recommendations can be made since storage conditions at customer locations may fluctuate and are beyond Sika's control.

Further information available at:
www.sikausa.com

Sika Corporation
Industry Division
30800 Stephenson Highway
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USA
Tel. 248 577 0020
Fax 248 577 0810



Clean Up

In case of spill, eliminate all ignition and heat sources. Ventilate area. Open doors and windows. Wear chemical resistant gloves / goggles / clothing). In absence of proper ventilation, use properly fitted NIOSH respirator. Confine spill and collect using non-combustible absorbent material and place in properly sealed container. Dispose of excess product in accordance with applicable local, state and federal regulations.

Limited Material Warranty

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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **NO OTHER WARRANTIES IMPLIED OR EXPRESS 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.**

Legal Notes/Disclaimer

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application

and purpose before proceeding with the full application of the product(s).

Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at www.sikausa.com or by calling 201-933-8800.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Material Safety Data Sheet which are available at www.sikausa.com or by contacting tsmh@sika-corp.com. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Material Safety Data Sheet prior to product use.

Further information available at:
www.sikausa.com

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