

Product Data Sheet

Edition 8.2003
 Identification no.
 Sikadur Anchor Fix-2

Sikadur® AnchorFix-2

High-performance, epoxy acrylate,
 anchoring adhesive

Description	Sikadur AnchorFix-2 is a two-component, solvent- and styrene-free, modified-acrylic, anchoring adhesive.
Where to Use	As a fast-curing anchoring adhesive for all grades of rebars, threaded rods, bolts and special fastening systems. Install in concrete and masonry base materials.
Advantages	<ul style="list-style-type: none"> ■ Low sensitivity to mixing errors. ■ Fast-curing. ■ Styrene-free, solvent-free ■ Low odor. ■ Low waste. ■ Can be dispensed/mixed with a standard, good quality caulking gun. ■ Moisture tolerant.

Packaging	10 fl. oz. (300 ml) two-component collapsible "cartridge-in-cartridge" system. Ready-to-use with a standard, good quality caulking gun.
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Gel and Curing Times	Application Temperature	Gel Time	Cure Time
	95°F (35°C)	2 minutes	25 minutes
	86°F (30°C)	3 minutes	35 minutes
	68°F (20°C)	5 minutes	40 minutes
	50°F (10°C)	8 minutes	70 minutes
	41°F (5°C)	12 minutes	90 minutes
	32°F (0°C)	20 minutes	3 hours
	23°F (-5°C)	50 minutes	15 hours
	14°F (-10°C)	80 minutes	24 hours

Caution	IRRITANT: Possible sensitization/allergic reaction possible with prolonged contact.
First Aid	Eyes: Rinse for 15 minutes; Skin: Wash with soap and water; Inhalation: move to fresh air; Ingestion: If swallowed, do not induce vomiting. Contact a physician immediately with all cases if symptoms persist.
Spill or Leak	Ventilate area. Collect with absorbent material. Wear proper personal protective equipment. Dispose of in accordance with local, state and federal environmental regulations.
Handling and Storage	Avoid direct contact. Wear protective equipment (chemical resistant gloves/goggles/clothing) to prevent direct contact with skin and eyes. Remove any contaminated clothing after use. Use adequate ventilation. If adequate ventilation is unavailable, open doors and windows and use a NIOSH approved respirator. Wash skin and hands after use.

Technical Data	
Shelf Life	Best when used within 12 months of manufacturing date.
Storage Conditions	Store in original unopened packaging in cool conditions at 40°-80°F (4-7°) and out of direct sunlight.
Color	Component. A+B mixed: uniform gray
Mixing Ratio	Component A : Component B = 10:1 by volume
Consistency	Component. A+B mixed: non-sag,creamy paste
Application Temperatures	Substrate and ambient: 14°-86°F (-10°C- 30°C)
Density (mixed)	2.75 lb./gal (.33 kg/l)

Anchor Diameter (in.)	Drill Bit Diameter (in.)	Embedment Depth (in.)	Allowable Tensile Bond Strength Min. 2,000 psi (13.8 MPa) Concrete (lbs.)	Allowable Tensile Bond Strength Min. 4,000 psi (27.5 MPa) Concrete (lbs.)	Allowable Shear Load > 2,000 psi (13.8 MPa) Concrete (lbs.)
3/8	7/16	2-1/4	1,155	1,680	335
		3-1/2	1,950	2,785	1,125
		4-1/2	2,310	3,360	1,125
1/2	9/16	3	1,720	2,500	600
		4-1/4	3,225	4,605	2,000
		6	3,435	5,010	2,000
5/8	3/4	3-3/4	2,855	4,160	940
		5	3,745	5,350	3,130
		7-1/2	5,715	8,320	3,130
3/4	7/8	4-1/2	4,540	6,610	1,350
		6-3/4	5,930	8,475	4,505
		9	8,050	11,520	4,505
1	1-1/8	6	6,735	7,610	2,400
		8-1/4	7,330	10,475	8,010
		12	10,635	15,225	8,010

Load Capacities - Threaded Rod

- 1) Allowable loads are based on a minimum safety factor of 3. Higher factors of safety may be warranted depending on actual application and job site conditions.
- 2) Minimum concrete base material thickness must be 1.5 times the anchor embedment depth.
- 3) Allowable load of adhesive anchor must be the lesser of bond or steel strength.

****For information on the effects of Anchor Spacing and Edge Distance on adhesive anchor performance, please contact Sika's Technical Service Department.**



Rebar Size (Diameter)	Drill Bit Diameter (in.)	Embedment Depth (in.)	Allowable Tensile Bond Strength Min. 2,000 psi (13.8 MPa) Concrete (lbs.)	Allowable Tensile Bond Strength Min. 4,000 psi (27.5 MPa) Concrete (lbs.)	Allowable Shear Load \geq 2,000 psi (13.8 MPa) Concrete (lbs.)
No. 3 (3/8")	1/2	3-3/8	935	1,340	1,190
No. 4 (1/2")	5/8	4-1/2	1,685	2,410	1,970
No. 5 (5/8")	3/4	5-5/8	2,435	3,480	2,940
No. 6 (3/4")	7/8	6-3/4	3,185	4,550	4,110
No. 7 (7/8")	1	7-7/8	3,935	5,620	5,450
No. 8 (1")	1-1/8	9	4,680	6,690	7,030

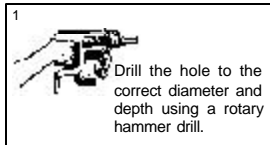
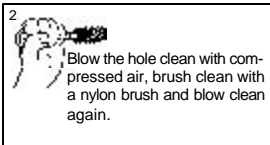
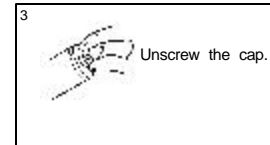
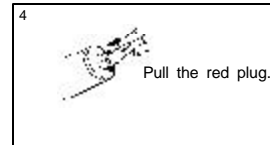
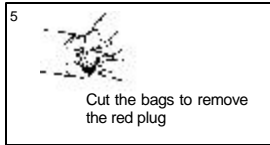
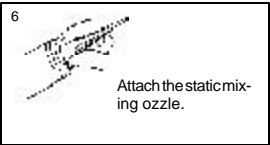
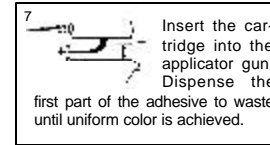
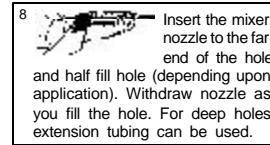
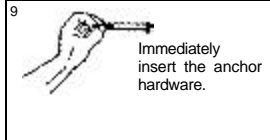
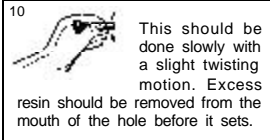
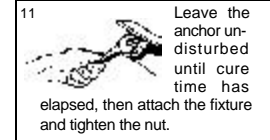
Load Capacities - Reinforcing Bar

- 1) Allowable loads are based on a minimum safety factor of 3. Higher factors of safety may be warranted depending on actual application and job site conditions.
- 2) Minimum concrete base material thickness must be 1.5 times the anchor embedment depth.
- 3) Allowable load of adhesive anchor must be the lesser of bond or steel strength.

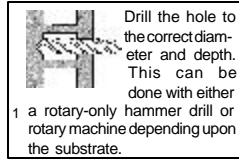
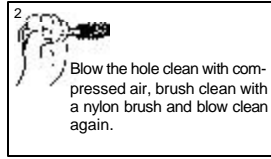
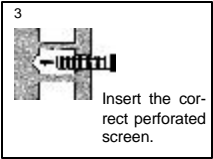
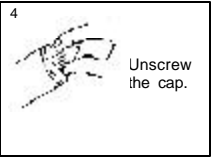
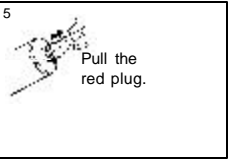
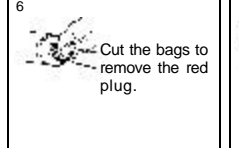
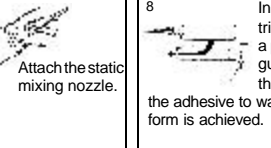
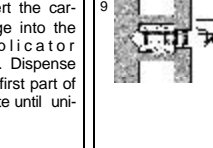
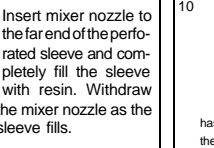
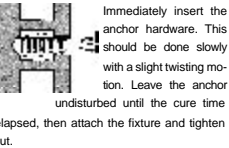
****For information on the effects of Anchor Spacing and Edge Distance on adhesive anchor performance, please contact Sika's Technical Service Department.**

Methods of Use

Solid Base Material

-  Drill the hole to the correct diameter and depth using a rotary hammer drill.
-  Blow the hole clean with compressed air, brush clean with a nylon brush and blow clean again.
-  Unscrew the cap.
-  Pull the red plug.
-  Cut the bags to remove the red plug.
-  Attach the static mixing nozzle.
-  Insert the cartridge into the applicator gun. Dispense the first part of the adhesive to waste until uniform color is achieved.
-  Insert the mixer nozzle to the far end of the hole (depending upon application). Withdraw nozzle as you fill the hole. For deep holes extension tubing can be used.
-  Immediately insert the anchor hardware.
-  This should be done slowly with a slight twisting motion. Excess resin should be removed from the mouth of the hole before it sets.
-  Leave the anchor undisturbed until cure time has elapsed, then attach the fixture and tighten the nut.

Hollow Base Material

-  Drill the hole to the correct diameter and depth. This can be done with either a rotary-only hammer drill or rotary machine depending upon the substrate.
-  Blow the hole clean with compressed air, brush clean with a nylon brush and blow clean again.
-  Insert the correct perforated screen.
-  Unscrew the cap.
-  Pull the red plug.
-  Cut the bags to remove the red plug.
-  Attach the static mixing nozzle.
-  Insert the cartridge into the applicator gun. Dispense the first part of the adhesive to waste until uniform is achieved.
-  Insert mixer nozzle to the far end of the perforated sleeve and completely fill the sleeve with resin. Withdraw the mixer nozzle as the sleeve fills.
-  Immediately insert the anchor hardware. This should be done slowly with a slight twisting motion. Leave the anchor undisturbed until the cure time has elapsed, then attach the fixture and tighten the nut.

KEEP CARTRIDGE TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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 technical 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.

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