

# Sikadur® 43, Patch-Pak

## Pre-proportioned, epoxy mortar patching kit

<b>Description</b>	Sikadur® 43, Patch-Pak, is a 3-component, 100% solids, moisture-tolerant, rapid-strength gaining epoxy mortar patching kit.
<b>Where to Use</b>	Use for epoxy mortar patching and overlays on interior, horizontal substrates.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Factory proportioned kit.</li> <li>■ Rapid strength gain.</li> <li>■ Open to traffic in 3-4 hours at 73°F(23°C).</li> <li>■ Super ultimate strengths.</li> <li>■ Superior wearing surface.</li> </ul>
<b>Coverage</b>	One kit yields approximately 0.5 cu. ft. of epoxy mortar. One kit will cover approximately 48 ft. <sup>2</sup> (4.5 m <sup>2</sup> ) at a thickness of 1/8 in. (3 mm).
<b>Packaging</b>	70-lb. Patch-Pak kit contains 200.4 fl. oz. of epoxy resin (Component 'A' and Component 'B') in a 3 gal. can; 52 lb. of aggregate (Component 'C') in a multi-wall bag.

### Typical Data (Material and curing conditions @ 73°F {23°C} and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

<b>Shelf Life</b>	2 years in original, unopened packaging.		
<b>Storage Conditions</b>	Store dry at 40°-95°F (4°-35°C). Condition material to 65°-75°F (18°-24°F) before using. Component 'C' must be kept dry.		
<b>Color</b>	Concrete gray		
<b>Consistency</b>	Trowel-grade epoxy mortar		
<b>Application life</b>	Approximately 40 minutes		
<b>Tensile Properties: (ASTM-D-638)</b>			
<b>14 day</b>	Tensile Strength	2,100 psi (14.4 MPa)	
	Elongation at Break	0.7 %	
	Modulus of Elasticity	9.7 x 10 <sup>5</sup> psi (6,688 MPa)	
<b>Flexural Properties: (ASTM D-790)</b>			
<b>14 day</b>	Flexural Strength (Modulus of rupture)	3,500 psi (24.1 MPa)	
	Tangent Modulus of Elasticity in Bending	1.6 x 10 <sup>6</sup> psi (11,032 MPa)	
<b>Shear Strength: (ASTM D-732)</b>	<b>14 day</b>	Shear Strength	4,100 psi (28.2 MPa)
<b>Compressive Properties: (ASTM D-695)</b>			
<b>Compressive Strength, psi (MPa)</b>			
	<b>40°F* (4°C)</b>	<b>73F* (23°C)</b>	<b>90°F* (32°C)</b>
<b>2 hour</b>	-	-	500 (3.4)
<b>4 hour</b>	-	40 (0.27)	8,400 (57.9)
<b>8 hour</b>	-	3,600 (24.8)	10,300 (71.0)
<b>16 hour</b>	-	9,900 (68.2)	12,500 (86.2)
<b>1 day</b>	900 (6.2)	10,500 (72.4)	12,500 (86.2)
<b>3 day</b>	5,800 (40.0)	13,000 (89.6)	13,700 (94.4)
<b>7 day</b>	6,900 (47.5)	13,300 (91.7)	13,700 (94.4)
<b>14 day</b>	8,100 (55.8)	13,300 (91.7)	14,400 (99.3)
<b>28 day</b>	9,500 (65.5)	13,800 (95.2)	14,400 (99.3)
<b>Compressive Modulus</b>	<b>28 day</b>	1.1 x 10 <sup>6</sup> psi (7,584 MPa)	

\*Material cured and tested at the temperatures indicated.

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Construction



## How To Use

### Surface Preparation

Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants.

**Concrete** - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by blastcleaning or equivalent mechanical means.

**Steel** - Should be cleaned and prepared thoroughly by blastcleaning or other equivalent mechanical means.

### Mixing

Mix entire contents of 'A' and 'B' in container for 30 seconds with a Sika paddle on a low-speed (400-600 rpm) drill. Mix until uniform in color. Remove 18 fl. oz. for priming. Pour remainder of the mixed epoxy into an appropriate mixer. Slowly add entire contents of Component 'C' and continue to mix for 5 minutes until you obtain a uniform blend.

### Application

Prime the prepared surface with the 18 fl. oz. of mixed epoxy adhesive binder. Prime at a rate of 400-600 ft.<sup>2</sup>/gal. Place the mixed Sikadur® 43, Patch-Pak, while the primer is still tacky. Place the epoxy mortar by trowel or vibrating screed. Strike off level. Finish with finishing trowel. Do not over work.

### Limitations

- Minimum substrate and ambient temperature 40°F (4°C).
- Do not thin. Addition of solvents will prevent proper cure.
- For interior use only.
- Material is a vapor barrier after cure.
- Minimum age of concrete must be 28 days prior to application.
- Porous substrates must be tested for moisture-vapor transmission prior to application.
- Not an aesthetic product. Color may alter due to variations in lighting and/or UV exposure.

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

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

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 Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. 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 Safety Data Sheet prior to product use.

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