



PRIME PATCH KIT

DESCRIPTION:

Prime-Patch is a three component patching kit used for epoxy overlays and repairing spalled concrete. The special blend of silica aggregate and epoxy resin provides an easy to work with, high strength mortar. Total yield of the unit is 589 cubic inches (0.34 cubic feet). See below for entire contents of kit.

APPLICATIONS:

Epoxy mortar used to patch or overlay horizontal surfaces.
Rebuilding joint nosings on warehouse floors, buildings, parking decks, etc.

ADVANTAGES:

- Complete kit
- Excellent bond strength
- High strength mortar
- Quick setting
- Very durable wear surface
- USDA approved

PACKAGING:

Each kit includes: mixing pail, tack brush, Part A and B epoxy binder, aggregate, technical data sheet with instructions, and MSDS.

One kit yields 0.34 cubic feet (589 cubic inches) of mortar when all the aggregate is used. (approximately 2 ½ gallons of mortar)

PRIMER PHYSICAL PROPERTIES AT 77° F (25° C)

Mix Ratio A:B	6.3:1 By Weight Packaged as a kit.		
Viscosity	1,000 c.p.s.		
Color	Natural		
Pot Life	100 gram	1/2 gallon	1/4 inch
90°F (32°C)	5 min	4 min	1 hr
73°F (23°C)	10 min	14 min	3 hrs
50°F (10°C)	20 min	25 min	5 hrs
Coverage (Per Kit)	1/4"	16 square feet	
	1/2"	8 square feet	
	1"	4 square feet	

TEST DATA (STRENGTHS REPORTED IN P.S.I.)

Compressive Strength	ASTM C-579	10,720
Tensile Strength	ASTM C-207	2,020
Flexural Strength	ASTM C-580	5,110
Coefficient of Linear Expansion	ASTM D-696	2.3 X 10 ⁻⁵ IN/IN/°F
Indentation	MIL-D-3134	0.0% 24 HRS
Abrasion Resistance	ASTM C-1044	.20 gm. Max
Heat Resistance Limitation		150°F
Traffic Ready @ 73°F		2.5 hours

MATERIAL CONDITIONING:

Pre-condition materials 65° - 85° F (19° - 30° C) before using.

SURFACE PREPARATION:

Surface must be clean and free of any dust, oil, grease, laitance, curing compounds, or any other contaminants. This should be achieved by wire brush, clean out saw, sandblasting, waterblasting, or some other mechanical means. Use only oil free air or vacuum to remove dust. All loose or unsound material must be removed. The outer perimeter of the spall should be saw cut or chipped to vertical or near vertical. All steel should be cleaned to white metal finish.

MIXING CONSIDERATIONS:

Remove lid, locate and read product data sheet, instructions, and MSDS.

INSTALLING MATERIAL:

Primer: Add Part "B" to Part "A" and mix with low speed drill (400 - 600 rpm) and jiffy type mixing paddle. Scrape sides and bottom of container while mixing. Prime the prepared surface the mortar will make contact with. Apply in a thin layer; do not allow to puddle or pond up.

Mortar: After priming, slowly add aggregate to resin to achieve desired consistency. Mix for three to four minutes, checking to make sure there are no dry pockets of sand. (All the aggregate should be used for best yield.)

Place mortar into spall or area being repaired and smooth with trowel or screed. Strike off level. Do not over work the mortar.

- LIMITATIONS:** Do not use solvents to thin.
Do not alter mix ratio.
Minimum application temperature is 40° F (5° C) rising.
Minimum age of concrete must be 21 - 28 days.
Forms a vapor barrier after cure.
- STORAGE:** We recommend storage in a dry environment at temperature between 40° to 90° F (4° to 32° C). Ideally, storage temperature should be at 65° to 75° F (18° to 24° C). Temperatures below 60° F (16° C) will cause epoxy to thicken making it difficult to properly blend the components. Under proper conditions, the shelf life is twenty-four (24) months in unopened, damage-free containers.
PROTECT FROM MOISTURE.
DO NOT ALLOW PRODUCT TO FREEZE.
- WARNINGS:** "A" material may cause skin irritation. Contains epoxy resins.
"B" material may cause severe burns on skin. Contains amines.
- FIRST AID:** **Skin Contact** - Wipe off contaminated area and wash with soap and water.
Eye Contact - Immediately flush eyes with large amounts of water for 10 minutes. Get medical attention.
Inhalation - Move to fresh air if symptoms occur. If breathing is difficult, get medical attention.
Ingestion - If conscious give two glasses of milk or water. Get medical attention.
See MSDS for more information.
- CLEAN UP:** Clean equipment with MEK or Xylene immediately after use. Observe product cautions when using solvents. Clean skin with soap and water. Wash contaminated clothing before re-use.
- WARRANTY:** Prime Resins warrants its products to be free from manufacturing defect and that they will meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins will not be liable for damages of any sort resulting from any claimed breach of warranty.

If you have any questions or comments about any of Prime Resins products or application techniques you may contact us directly at 800-321-7212, Monday through Friday 8:00 A.M. to 5:00 P.M. E.S.T.



"Innovations In Infrastructure Repair Technology"
2291 Plunkett Road, Conyers, GA 30012
Office (770) 388-0626 / (800) 321-7212
E-mail: sales@primeresins.com
www.primeresins.com