

# Easy

# Fast

# PowerPatch

# Three Component Patch for Concrete



**NEW!**



# Strong

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**NEW!**

# PowerPatch

## Concrete Patching Kit

### PRODUCT DESCRIPTION

PowerPatch is a rapid setting, 100% solids, high strength, all-weather spall repair and patching material for concrete. PowerPatch uses a unique hybridized epoxy urethane system and an engineered aggregate for superior performance in all conditions.

### GENERAL APPLICATIONS AND USES

- Spall repairs and patching on bridge decks
- Traffic area spall, crack repairs and patching
- Freezer floor repairs
- Airport runways, taxiways and aprons
- Patching prior to coating application

### FEATURES AND BENEFITS

- Meets FDA requirements
- Open to traffic in 15 to 30 minutes (see cure schedule)
- Fast initial set; rapid gain to ultimate strengths
- Easy 1:1 mix ratio

### LIMITATIONS

Mix only quantities that can be used within the pot life of the material.

Shelf Life: 1 year in original unopened container.

Storage Conditions: Do not store above 85°F or in direct sunlight.

Kit contents should be preconditioned to 65°F to 85°F (Surfaces must be completely dry before applying)

### PACKAGING / YIELD

.45 cu.ft. (800 cu.in.) kit

### PRODUCT ESTIMATION GUIDE

Patch size ÷ 800 = Number of kits required (in CU. IN.)

Patch size ÷ .45 = Number of kits required (in CU. FT.)

### PHYSICAL PROPERTIES

Pot Life (ASTM 881)	73" 100 Grams	3 mins.
Viscosity (neat)		250 cps
Hardness (ASTM D2240)		60-70D
Tensile Strength (ASTM D412)		1500 psi
Elongation % (ASTM D412)		30%
Compressive Strength (ASTM C579) (with aggregate)		3500 psi
Bond Strength (ASTM C882)		2000 psi
Adhesion (ACI 503R)		400 psi

### PREPARATION

Read all instructions prior to use. Clean the area of all debris and contaminants; oils, loose materials, dirt, rubber etc. Expose clean rough concrete for best results. If using a saw to cut concrete and clean the crack, remove all the dust from the cut out area. Cut or chip a vertical edge, minimum 1/2" deep, around perimeter of the area to be patched. Make sure the area is clean, sound and *completely dry*. Sandblasting may be necessary to expose clean concrete. Vacuum or blow off concrete dust and debris with oil-free compressed air.

**PowerPatch is moisture sensitive and should not be applied to wet or damp surfaces.**

### CURING SCHEDULE FOR POWERPATCH

Temperature	Working Time	Minimum Cure Time*	Full Cure Time
10°F	30 Minutes	60 Minutes	90 Minutes
40°F	20 Minutes	30 Minutes	60 Minutes
80°F	3 Minutes	15 Minutes	45 Minutes

\* 1000 psi

Shake Pou



# PowerPatch

## MIXING PROCEDURES

Have all components and tools ready and patch area properly prepared prior to mixing/placement. Mixing container, tools and patch area should be clean and dry prior to use.

1. Shake component B for 30 seconds.
2. Vigorously mix components A and B for 30 seconds at 200-300 rpm with a jiffy mixer on a 1/2" drill.
3. Begin adding component C and mix for another 30 seconds until all of the aggregate is wetted out.
4. Place product immediately.

## MIXING SMALLER QUANTITIES

1. Shake component B for 30 seconds.
2. Mix equal parts (1:1 ratio) of components A and B vigorously for 30 seconds.
3. Add 3 parts by volume of component C to 1 part mixed A & B components and stir for 30 seconds until aggregate is wetted out.
4. Place product immediately.

## FINISHING

PowerPatch should be tamped into the entire patch area with the blunt end of a 2x4 or similar object to properly wet the substrate. It should then be troweled and finished immediately. finished patch should be level and not higher than the surrounding area. Patches may be ground. A small amount of aggregate may be withheld for sprinkling onto the finished surface immediately after troweling for surface texture and color.

Grinding to Finish Grade: Allow the PowerPatch to set for approximately 20 minutes or until hardened. For best results use a flexible 7-inch grinding wheel and grind smooth and level with the finished grade. Grind as soon as product is set but before fully cured. Repair is now ready for traffic.

## CLEAN UP

Empty containers must be drip free. Cured product may be disposed of without restrictions. Excess liquid A and B material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured materials from tools.

## FIRST AID

Remove contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes; contact physician immediately. For respiratory problems, move to fresh air. For skin contact, remove immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water.

**Solvents should not be used** because they carry the irritant into the skin.

Wash clothing before re-use. Cured product is harmless.

## ORDERING INFORMATION

### PowerPatch Kit

Cat. No.	Description	Std. Pack
08350	Aggregate Part C, Epoxy Part A and Epoxy Part B	1



# Mix Patch



POWERS FASTENERS **BRANCH INFORMATION****USA LOCATIONS**

CITY	ADDRESS	CONTACT	PHONE	FAX
Alabama	5405 Buford Hwy Suite 410 Norcross, GA 30071-3984	Jeff Hatchett	205-520-6044	678-966-9242
Atlanta	5405 Buford Hwy Suite 410 Norcross, GA 30071-3984	Robert Brito	678-966-0000	678-966-9242
Boston	2 Powers Lane, Brewster, NY 10509	Jack Armour	800-524-3244	914-576-6483
Charlotte	349 L West Tremont Avenue, Charlotte, NC 28203	Bob Aurisy	704-375-5012	704-376-5517
Chicago	2472 Wisconsin Avenue, Downers Grove, IL 60515	Dan Gilligan	630-960-3156	630-960-3912
Dallas	10625 King Williams Drive, Dallas, TX 75220	Kyle Thuenemann	972-506-9258	972-506-9290
Denver	2475 West Second Street #35, Denver, CO 80223	Aaron Minnis	303-922-9202	303-922-9228
Detroit	21600 Wyoming Avenue, Oak Park, MI 48237	Glen Gaskill	248-543-8600	248-543-8601
Florida	9208 Palm River Road, Bldg. 3, Suite 305, Tampa, FL 33619	Mark Mamula	813-626-4500	813-626-4545
Houston	13833 North Promenade, Suite 100, Stafford, TX 77477	Chris Salisbury	281-491-0351	281-491-0367
Indianapolis	15290 Stony Creek Way, Noblesville, IN 46060	Bill Trainor	317-773-1668	317-773-1690
Kansas City / St Louis	716 East 16th Avenue, North Kansas City, MO 64116	Don James, Jr.	816-472-5038	816-472-5040
Los Angeles	2761 Dow Avenue, Tustin, CA 92780	Jack Stewart	714-731-2500	714-731-2566
Maryland	3137-B Pennsy Drive, Landover, MD 20785	Chris Van Syckle	301-773-1722	301-341-5119
Milwaukee	12020 W. Feerick Street, Milwaukee, WI 53222	Donn Raduenz	414-466-2400	414-466-3993
Minneapolis	351 Wilson Street, NE Minneapolis, MN 55413	Rick Gruye	612-331-3756	612-331-3549
Nashville/Memphis	221 Blanton Avenue, Nashville, TN 37210	Ira Liss	615-248-2667	615-248-2676
New Orleans	102 Sampson Street, Houston, TX 77003	Cal Zenor	713-228-1524	713-228-1528
New York	2 Powers Lane, Brewster, NY 10509	John Partridge	914-235-6300	914-576-6483
Philadelphia	2 Powers Lane, Brewster, NY 10509	Greg Stephenson	800-524-3244	914-576-6483
Phoenix	3602 E. Southern Ave, Suite 5 Phoenix, AZ 85040	Craig Hering	602-431-8024	602-431-8027
Pittsburgh	1360 Island Avenue, McKees Rocks, PA 15136	Bill Dugan	412-771-3010	412-771-9858
Portland	129 South Kenyon, Seattle, WA 98108	Jim Swink	360-608-6845	206-762-5817
Rochester	40 Harrison Street, Rochester, NY 14605	Mike Kolstad	585-288-2080	585-288-8732
Salt Lake City	2212 SW Temple #20, Salt Lake City, UT 84115	Don Manning	801-466-9428	801-466-3083
San Francisco	28970 Hopkins Street, Suite B+C, Hayward, CA 94545	Dan Mullan	510-293-1500	510-293-1505
Seattle	129 South Kenyon, Seattle, WA 98108	Darin Arnold	206-762-5812	206-762-5817

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China	Metropolitan Business Centre, East Nandan Road, Lane 300, No. 9, Room 604 Xuhui District, Shanghai, China 200030	Jake Olsen	+86-21-3363-2880	+86-21-3363-2881
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Colombia	Electrogeno, S.A., Carrera 52 #71c-38, Bogota, Colombia		(57) 1 6600 9436	
Costa Rica	Electro Mechanics Supply, La Uruca Contiguo Banco Ntnl., De Costa Rica Condominio, Horizontal Bodega #9, San Jose, Costa Rica		(506) 2233-2595	
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Guatemala	Tecnofijaciones, 6 Avenue 8-56 Zona 9, Zona 9, Guatemala	Oscar Lucas Penagos	502-233-4-3478	
Panama	Centro-Industrial, Vía Cincuentenario, No. 7910, Ciudad Panama, Panama		(507) 302-8022	
Peru	Powers Peruana SAC, Av. Santa Catalina, 555 La Victoria, Lima 13, Peru (www.powersperuana.com)	Martin Vasquez	(011) 511 265 8500	(011) 511 330 0909
Venezuela	Calle Sucre/Qta. Maudora, #1721 Entre Cec Acosta Y San Ignacio Chacao, Caracas	Distributor	58 212 264 1313	58 212 263 0219
Trinidad - Tobago	Ft. Farfan, 3-5 Ibis Avenue, Ibis Acres, San Juan	Derek Cumming	(868) 674-7896	

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