

PRO-PATCH

Acrylic Polymer Modified Cement Based Patching and Resurfacing Material

SKU# PROL-075
 PROP-043
 PROL-001
 PRO-PATCH-C

Usage: Use PRO-PATCH to patch and repair cracked, spalled, chipped and broken concrete or masonry such as floors, sidewalks, corridors, lanais, driveways, curbs, steps, pavers, loading docks and ramps. PRO-PATCH may also be used to resurface horizontal concrete, above or below grade, or as an underlayment or setting bed for tile, patio blocks and other paving materials. PRO-PATCH is suitable for both interior and exterior use.

Packaging: 43 lb. multi-walled sacks and .75 gallon jug

Preparatory Work: All surfaces must be dry, structurally sound and not subject to extreme temperatures (below 40°F or above 100°F) during installation. Surfaces must be free of all grease, oil, dirt, dust, curing compounds, sealers, coatings, efflorescence, old adhesive residues, gypsum based underlayments and any other foreign matter.

Concrete and Masonry Work Surfaces: Remove all deteriorated concrete and mortar particles and other matter detrimental to proper adhesion. Mechanically scarify work surfaces to obtain an aggregate fractured surface condition with minimum profile of $\pm 1/16$ inch. Wash debris from work surfaces with plenty of clean water. Prepared work surface should be in saturated surface dry condition with no standing water.

Cracks: Non structural and non-moving cracks in concrete should be saw cut or routed out to a minimum width and depth of 3/4 inch. If existing cracks are in question, consult with Engineer to determine corrective work.

Steel Reinforcement: Remove all rust from exposed reinforcement. Cut out and replace suspect steel as directed by an Engineer.

Chase: Where mortar overlayment does not abut a vertical surface such as a wall or curb, additionally prepare the work surface by cutting a 1/4" chase, or keyway into the concrete. A chase should also be cut around all drains and other penetrations.

Existing Control and Expansion Joints: Extend joints through mortar overlayment.

Mix: All screed bars, strike off bars and finishing equipment should be in place prior to mixing first batch of mortar. Place the dry ingredient (Part B) into a clean mixing container. Add the liquid component (Part A) and stir slowly. Mix to a trowelable consistency (avoid a soupy mix). Do not add water - use Part A as is. Mix for approximately 2 minutes and then make a final adjustment to consistency. Fifty pounds of the dry material (Part B) will require approximately one gallon of mixing liquid (Part A). Do not mix more material than can be used in 30 minutes. Do not retemper with additional liquid after the 30 minute time period.

Application: Concrete and masonry work surfaces should be kept damp but not saturated with water prior to placing the mortar. There should be no standing water on the substrate. With a sponge float, broom or stiff bristle brush, scrub coat apply a slurry mixture of PRO-PATCH onto all work surfaces, including steel reinforcement. Be sure to fill and seal all pores and voids. Force scrub coat against edge of repair, working toward center. Apply mortar overlayment while slurry is still damp - do not resurface over hardened, dry slurry. Apply PRO-PATCH mortar over slurry scrub coat, consolidate, screed and finish. All placing, troweling and finishing should be done quickly. Weather conditions may cause setting time to vary. Do not over trowel - over troweling may cause overlayment to tear.

Limitations: Apply only on clean, sound, properly prepared cement based substrates. Do not add any other additives or over mix. Do not cut back Part A with water - use as is. Do not retemper. Do not over trowel. Protect metal from excessive exposure to fast drying conditions - high temperatures, direct sunlight, low humidity or strong winds - by moist curing with clean water. Maximum recommended application thickness is 2" - for deeper patches, please contact your Bonded representative. Observe the same safety precautions for using Portland cement.

Curing: Protect PRO-PATCH from excessive exposure to hot, direct sunlight and windy conditions which may accelerate moisture evaporation. Moist cure with a fine spray mist of water or wet burlap. Keep surfaces damp for the first 24 hours, then air cure.

Cleaning: Clean off any uncured PRO-PATCH from tools immediately after use.

Coverage: Approximately 25 square feet at 1/4" thick per unit.

Storage: One year if kept dry in sealed bags.

Safety: May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into the eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water.
KEEP OUT OF REACH OF CHILDREN.

PRO-PATCH Specifications

<u>Specification</u>	<u>PRO-PATCH Values</u>
Initial Set	45 minutes
Compressive Strength (ASTM C-109)	3140 psi @ 1 day air cure 5340 psi @ 3 days air cure 6170 psi @ 7 days air cure
Tensile Properties (ASTM C-190)	617 psi @ 7 days air cure
Flexural Strength (ASTM C-348)	1205 psi @ 7 days air cure
Shear Bond Adhesion (Rohm and Haas Method)	515 psi @ 7 days air cure
Impact Strength (Gardner Impact Tester)	18 @ 7 days cure

Guarantee

The statements, recommendations and technical information provided are furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.

Bonded Materials Company makes no warranty for a particular purpose with respect to product sold herein, except quality of components shall be in accordance with Bonded Materials Company's standards. It is expressly understood and agreed that the buyer's sole and exclusive remedy shall be replacement of defective products. Handling and actual use of product are beyond the control of Bonded Materials Company, therefore, no warranty is made, expressed or implied, as to the results obtained from use of the product or against any claims for infringement of patents resulting from the use of the product.

Bonded Materials Company is a member in good standing with the following organizations:

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Accredited for Continuing Education



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