



606-6 Lane Avenue North
Jacksonville, FL 32254
Phone (904) 693-8800 FAX (904) 693-8700

Product Data Sheet For:

PlexiFloor PatchAll Crete

Fast Setting Screed Repair Mortar

PRODUCT DESCRIPTION

PatchAll is a single component, Portland Cement based, polymer modified material designed to repair and rehabilitate vertical and overhead concrete and masonry surfaces without the need for costly form work. The fast setting, low shrinkage and high strength of PatchAll allows it to be placed and sculpted to final shape in a single application up to 2" inches in thickness.

TYPICAL USES

- Vertical and overhead repairs of concrete and masonry
- Fast repair of bridges, pilings and buildings
- Fill cracks and voids in curbs, steps and floors
- Rebuild cornices and ornate precise without forming
- Repairs of precast concrete panels and concrete pipes.

FEATURES

- High polymer modification provides tenacious bond
- Fast setting, 6-20 minutes for initial set
- Apply from featheredge up to 2 inches in single application
- Make repairs without costly forming
- Self-curing
- Non-shrink
- Free of chloride, gypsum and heavy metal
- Sulfate resistant
- Single component

Installation

Surface Preparation

Surfaces to be repaired must be structurally sound, clean and free of dust, dirt, oils, paints and all other contaminants that will prevent proper bond. Remove all loose material and rust from corroded rebar by wire brushing, chipping, sandblasting or waterblasting. Clean surfaces to be treated by vacuuming with compressed air or thoroughly brushing to remove small particles and dust. Prime all exposed metal and cleaned rebar with a slurry of PatchAll. Mix slurry coat by adding PatchAll to clean water to a batter-like consistency and brush coat all exposed surfaces to receive PatchAll. Prior to application, all surfaces should be saturated making sure there is no standing water remaining. Any acid-based cleaning solution must be neutralized before priming.

Mixing

Mix 4 parts PatchAll to 1 part clean potable water (10 pounds material to 1 quart of water, 50 pounds to 5 quarts). Keep mix to a heavy, putty-like consistency. Mix only until completely blended and free of lumps. If using a drill mixer to blend material use a slow

speed high torque drill at no more than 500 650 RPM. Add material to water in bucket or mortar mixer, but add water to material if hand mixing smaller batches. Clean sharp sand or stone up to 3/8th inch may be added at a ratio of 1 part aggregate to 2 parts PatchAll by weight. The addition of sand is recommended for all single application repairs over 3/4th inch thickness. Do not mix more material than can be placed in 10 minutes. Do not retemper after initial mixing.

Placement

Trowel on immediately. Vertical or overhead patches greater than 2 inches in depth may need to be built-up in successive layers. If layering deep patches, scratch surface of each layer. Allow previous layer to tighten (5-10 minutes) before building another layer. Dampen first layer before applying second. Overfill patch and shave to shape. PatchAll can be shaved with a trowel for up to 1 to 2 hours after initial set. Try to avoid overworking a patch. Finish with a damp sponge, brush or steel trowel.

Curing

During the first 24 hours, it is best to keep the patch covered or damp to prevent excessive loss of water. Portland Cement based finishes may be applied after only 30 minutes. For latex based paints with at least 4 days, and for oil based paints material should be allowed to cure for at least 14 days.

Coverage

One pound of PatchAll will yield approximately 17 cubic inches. One 50 pound unit will yield approximately 1/2 cubic foot.

Packaging

Available in 10 pound plastic pails (4 per carton), 50 pound multiwall paper bags with moisture barrier and 50 pound plastic pails.

Color

Light Gray

Technical Data

Appearance	Fine, gray powder		
PH (wet mix)	Approx. 12		
Water Penetration (3 day soak)	1/2 inch		
Air Content (wet mix)	5.3%		

<u>Test</u>	<u>psi</u>	<u>24 hr</u>	<u>7day</u>	<u>28 day</u>
Compressive		2,675	6,810	7,025
Flexural		575	835	915
Tensile		270	465	520
Gardner Impact		Greater than 158 inch lbs.		

Product is temperature sensitive regarding set time; below 60°F set is slower, above 80°F set is faster. In hot weather, cool surface to be patched with cold water and use cold water for mixing. Do not apply PatchAll when dry product or surface temperature is below 40°F. Dry product and surface can be warmed with a torch. Do not use "antifreeze" or set accelerator solutions. Do not add any concrete additives. Protect from precipitation for at least 4 hours.

Caution

Contains Portland Cement CAS #65997-15 1. Freshly mixed cement products may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water. If any product gets into the eye, rinse immediately and repeatedly with water. If ingested, do not induce vomiting and get prompt medical attention. Also contains Sand CAS # 14808-60-7. Avoid breathing dust. Prolonged exposure to dust may cause delayed lung injury (silicosis) or cancer IARC Class 2 A. Wear NIOSH approved mask for silica dust. Keep Out Of Reach Of Children.

Warranty

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either PlexiChemie Products or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied to us.

Limitations