



# FARRELL VERTICAL PATCH

## Product Data Sheet

**Non-slumping, Fast-setting Patching Mortar**

**FARRELL VERTICAL PATCH**

**DESCRIPTION:** FARRELL VERTICAL PATCH is a non-slumping, fast-setting patching mortar for filling overhead and vertical holes in concrete or masonry. It is designed to eliminate the need for costly formwork. Will not shrink and develops high structural strength.

**USES:** For patching holes and honeycomb or restoration projects as severe as exposed reinforcing rods. Can also be used for filling precast concrete, patching concrete pipe exposed to water, repairing stucco, etc.

**ADVANTAGES:**

1. Non-slumping
2. Quick setting
3. High structural strength
4. Non-shrinking
5. Needs no bonding agent
6. Labor saving

**TECHNICAL DATA:**

Set time – Initial 15 minutes  
 Compressive strength – 1 day 645 PSI  
                                   7 days 5520 PSI  
                                   28 days 6650 PSI  
 Set expansion - .09%  
 Farrell Vertical Patch was tested according to ASTM C109 for compressive strength.

**YIELD:** .5 CU. FT.

**PACKAGING:** 50 lb. Poly lined bag.

**INSTALLATION:** Preparation: Remove all loose or unsound material. All oil, grease and sealers must be removed. Rust on exposed reinforcing rods should be removed by scraping, wire brushing or sandblasting. DO NOT apply at temperatures below 40° F or if temperature is expected to fall below 40° F within 24 hours.

**MIXING:** Add sufficient clean water (approx. 1 ¼ gal. To 1 ½ gal. Per bag) to achieve a mortar-like consistency. Work quickly – FARRELL VERTICAL PATCH has approx. 15 minutes open time. Therefore, mix small batches only. Do not add bonding agents.

- Keep material cool
- Mix with cold water
- Keep surface cool and apply early in day.
- Avoid working in direct sunlight.
- Prepare small batches only

For cold weather applications keep material and patching area warm. Use warm mixing water to accelerate set.

**APPLICATION:** Always apply slurry mixture (patch mixed with sufficient water to a batter-type consistency) with brush over area to be patched including all exposed steel rods, etc., then fill patch area with FARRELL VERTICAL PATCH (mixed to mortar consistency) with trowel. Apply in successive ½" maximum layers. Scratch first layer – dash with water and apply second layer in 20 minutes. Keep patched area damp for 30 minutes to aid curing. For single application of deep patching use form board. Upon removing form board dampen patch, apply slurry mixture with brush, and apply FARRELL VERTICAL PATCH to complete detail.

**FLOORS/CURBS:** Cut out defective area to be patched at 90° angle to adjacent surface. Dampen area thoroughly and apply VERTICAL PATCH slurry with brush. Apply VERTICAL PATCH in maximum ½" layers. Keep area DAMP. Apply successive layers within 20 minutes. Apply water to dampen completed patch area for one hour for proper curing.

**DO NOT—**

1. Stir constantly
2. Re-temper. (Loss of strength and defective patch will develop)
3. Add any other admixes
4. Apply below freezing
5. Mix large quantities at a time
6. Apply on non-slurred surfaces
7. Fill over ½" layers per application

**COVERAGE:** 1 lb. fills approximately 16 cubic inches.

**CAUTION:** Cement powder or freshly mixed concrete, grout or mortar may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into eyes, rinse immediately and repeatedly with water and get prompt medical attention.

**WARRANTY:** All products are made with the finest quality raw materials, under exacting care. We fully guarantee all products when applied according to manufacturer's instructions. Improper mixing, application and other factors beyond our control limits our responsibility to purchase price of the product.



### Farrell Equipment & Supply Co., Inc.

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