



# STRUCTURE PATCH

## High Performance Concrete Repair Mix

### DESCRIPTION

Structure Patch is a pre blended, all in one, high strength cementitious concrete mix designed for use as a build coat, scratch coat or repair material in many applications. Structure Patch contains a proprietary resin designed to offer extreme adhesion almost any clean existing surface. The properties of structure coat allow it to be also to be a superb concrete patching mix applied in thickness from 1/8 inch to 3 inches.

### FEATURES AND BENEFITS

- Can be applied by trowel or appropriate spray device.
- **Does not require the use of a primer.**
- Tri component reactive fiber system for improved tensile strength.
- Quick set and cure time to allow for faster project turn around.
- Excellent as a patching compound for concrete repair.

### TYPICAL APPLICATIONS

Patching of spalled and pitted surfaces, repairs on broken steps, repair on flooring from post and wall removal, parge coating of block walls, etc. Also sued as a scratch coat from one eight to one half inch.

### TECH SPECIFICATIONS

Specifications listed for product used at 70 degrees and no adverse conditions.

Initial set.....	1 hrs
Final set.....	5 hrs
Set times can vary based on temp, humidity and other environmental factors	
Coverage per 50 lb bag.....	12 sqft @ 1/2", 24 sf @ 1/4"
Yield per 50 lb bag.....	.42 cu ft
Compressive strength.....	3000 psi at 24 hrs
.....	9000 psi at 7 days
Flexural strength.....	.566 ultimate

### INSTRUCTIONS

#### MIXING:

Add 1 gallon of water per bag to the bottom of a large mixing pail and begin to add in the Structure Patch. Continue to mix and if needed, add up to 1 quart of water to reach desired consistency. The resulting mix should be of a moderately loose mix for application by hand. A wetter mix (semi-flowable) is required for use in a spray application due to inherent water loss in the process and to go thru sprayer.



## INSTRUCTIONS

**APPLICATION:** If using a sprayer, you will need a compressor with the minimum specs of 7-10 cfm @100 psi. The Structure Patch mix should be semi-flowable and applied to the surface in a bottom to top motion. The nature of the material as it is sprayed will provide a perfect scratch coat surface for vertical concrete applications. If mixing by hand, you should use a large (15 gal) mixing pail and a heavy duty ½" drill mixer. The preferred mixing head is that of the egg beater style. Mixing splines should be cleaned off between batches to avoid heavy buildup. Large batches can be mixed in a mortar style mixer, again making sure to clean off the mixing ribbons as much as possible between batches. If applied by hand, once on the surface and initial stiffening has occurred, the surface should be properly scarified to the appropriate degree based on the thickness of the finish coat. Once placed, material can be floated immediately and then trowel smooth (if desired) once the surface achieves a satin sheen. Material can be textured if desired.

**NOTE OF CAUTION.** The small amount of proprietary fibers used in Structure Patch may become visible on the surface. If the material is being used as a patching material, fibers can be eliminated through use of a torch or similar apparatus for burning them off.

**CAUTIONS** Do not mix more material than can be placed in 15 minutes. The temperature of the mixed material should be between 60°F to 80°F for ideal working properties. Use only potable water for mixing. Clean mixing equipment between batches. Do not apply to overly cold or hot surfaces. Colder temperatures will extend open time and reduce rate of strength gain.

**WARNINGS:** Contains cement and silica, avoid inhalation of dust. Wear gloves, safety goggles, and OSHA approved dust respirator during mixing and placement. Refer to product S.D.S. (Safety Data Sheet) for additional safety information. Do not take internally. Avoid prolonged contact with skin. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN**

**LIMITED WARRANTY:** This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product. Revised – 08-21