



SCREED PATCH

2 COMPONENT

MANUFACTURER

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GENERAL USES

For repairing large spalls in concrete. Screed Patch can be used above or below grade and is highly suited for use as a concrete overlay or as a flowable formed repair material.

FEATURES

- Superior adhesion.
- Similar modulus of elasticity to concrete.
- Vapor permeable.
- Resistant to freeze/thaw cycling.
- Semi self-leveling: can be applied on slight grades
- Easy to mix, apply and finish.
- Contains a corrosion inhibitor
- Coatings may be applied after 72 hours of placement.

INSTRUCTIONS FOR USE

Surface Preparation: All surfaces must be clean and free of dirt, dust, paint, sealers, coatings, loose material, adhesives, curing compounds or any material that will inhibit patching material from coming in contact with the concrete pores. Tight, steel troweled concrete should be abraded or etched with sulfamic or muriatic acid solution, then neutralized to open up the concrete pores. Removal of any anti adherents or loose materials must be accomplished mechanically with a wire brush, chipping hammer, or by sand or water blasting. Solvents or strippers are not acceptable.

Mixing: Pour 1 gal. Liquid Additive 'A' into the container and then mix it thoroughly using a slow speed (set at 400-600 Rpm) with a clean, rust-free mixing paddle. Add the powder component slowly and mix until a uniform, lump-free consistency is obtained. The working time is 10-15 minutes after mixing, depending upon ambient and surface conditions. The finishing time is 20-70 minutes after

mixing depending upon ambient and surface conditions.

Application: Dampen the surface thoroughly with clean water to a saturated surface dry (SSD) condition. While the surface is damp, fill the desired area with Screed Patch to a maximum thickness of 4 inches. Alternatively, prime surface with UNIVERSAL POLYMER CONCENTRATE diluted one to one with water or an epoxy bonding agent. After rough leveling and consolidation, the product can be finished to desired texture. For applications greater than 4 inches in thickness, 1/4 to 3/8 inch aggregate should be added. A clean, uniformly graded saturated surface dry aggregate, suitable for use in concrete, is required and it should be added at the rate of 30 pounds per 60 pound bag of Screed Patch. Protect from rain until initial set has been achieved.

Curing: The formulation of Screed Patch minimizes the need for curing. However, application in direct sunlight or in windy conditions may lead to rapid surface drying. The use of a curing compound that complies with ASTM C-309 or damp curing is recommended.

Limitations:

Ambient and surface temperatures must be 38 F. or above during application.

Minimum thickness: 1/2 inch.

Maximum thickness: 4 inches (without aggregate addition).

Clean Up:

Remove uncured Screed Patch from tools and equipment with water. Cured material can only be removed mechanically.

PACKAGING

Liquid Additive 'A' 1 gallon or 5 gallon.
"B" component: 60 pound bag.

COVERAGE

60 pounds will yield approx. 0.50 cubic feet.



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TECHNICAL DATA

Compressive Strength

ASTM C-109 Mortar (Mod.)

1 day	2000 psi
7 day	3100 psi
28 day	6200 psi

Flexural Strength

ASTM C-78

1 day	390 psi
7 day	860 psi
28 day	1500 psi

Bond Strength

ASTM C-882 (Modified)

1 day	500 psi
7 day	1600 psi
28 day	2200 psi

Shrinkage

ASTM C-596

1 day	<0.0006>
7 day	<0.0009>
28 day	<0.0009>

Water Absorption

ASTM C-642

28 day	2.0%
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Rapid Chloride Permeability

ASTM C-1202

28 day	600
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Modulus of Elasticity in Compression

ASTM C-469

28 day	2.3×10^6
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STORAGE AND HANDLING

A. Shelf Life: 12 months in the original unopened container.

B. Storage: Store in a dry area away from direct sunlight. The product should be conditioned to between 40° F and 95° F before use. Keep the A component from freezing. If frozen, the product must be discarded.

PRECAUTIONS

Contains Portland cement: avoid eye contact and prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with water for at least 15 minutes. Consult a physician immediately. Keep out of reach of children. Contains free silica – DO NOT breathe dust. May cause delayed lung injury. Follow OSHA Safety and Health Standards for crystalline silica (quartz). See Material Safety Data Sheet for detailed information.