



THIN PATCH

MANUFACTURER

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GENERAL USES

For leveling and repairing deteriorated concrete. Thin Patch may be used above or below grade and on horizontal or vertical surfaces. From 1/8" to 1/2".

FEATURES

- One component.
- Superior adhesion.
- Similar modulus of elasticity to concrete.
- Extremely low shrinkage.
- Vapor permeable.
- Resistant to freeze/thaw cycling.
- Contains a corrosion inhibitor.
- May be feather edged.
- Fiber reinforced.
- Coatings may be applied 24-36 hours @ 70°F (check with coating manufacturer)

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: For normal applications, add 5-1/2 to 6 quarts of water per 60 pound bag of Thin Patch, depending upon the desired consistency. Mixing can be achieved either manually or mechanically. Mechanical mixing is preferred. Mixing should continue until a uniform, lump-free consistency is obtained. Avoid over mixing which could lead to over aeration of the mix.

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 Thin Patch to a maximum thickness of 1/2 inch. 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 1/2 inch in thickness, apply in successive lifts.

Curing: The formulation of Thin 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: 1/8 inch.

Maximum thickness: 1/2 inch

Clean Up: Remove uncured Thin Patch from tools and equipment with water. Cured material may only be removed mechanically.

PACKAGING

60 pound bag.

COVERAGE

50 square feet per unit @ 1/8" thick.

STORAGE AND HANDLING

Shell Life: 12 months in the original unopened container.

Storage: Store in a dry area away from direct sunlight. The product should be conditioned to between 40° F and 95°F before use.

HEALTH AND SAFETY

Health Precautions: This product contains Portland cement and crystalline free silica. Avoid breathing the dust. Exercise care; as with handling any chemical construction product.

Safety Precautions: Use adequate ventilation. Use of a NIOSH/ MSA approved dust respirator, safety goggles and chemical resistant gloves are strongly recommended. Remove contaminated clothing immediately.

First Aid: Skin Contact: wash thoroughly with soap and water. Eye Contact: flush immediately with water and contact a physician. Respiratory Problems: remove affected person to fresh air immediately and contact a physician. Hygiene: wash hands immediately after use. Wash clothing before reuse.

Spills: Collect in appropriate container. Uncured material may be removed with water.

Disposal: Dispose of in accordance with local, state or federal regulations.

Warning: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY BY A



THIN PATCH

QUALIFIED TECHNICIAN. Consult the Material Safety Data Sheet for further health and safety information.

TECHNICAL DATA

Compressive Strength

ASTM C-109 Mortar (mod.)

1 day	2870 psi
7 day	4250 psi
28 day	5500 psi

Flexural Strength

ASTM C-78

1 day	450 psi
7 days	1200 psi
28 days	1440 psi

Split Tensile Strength

ASTM C-496

1 day	200 psi
7 days	510 psi
28 days	725 psi

Bond Strength

ASTM C-882 Modified

1 day	300 psi
7 days	1100 psi
28 days	1650 psi

Shrinkage (inch/inch)

ASTM C-596

1 day	0.0006
7 days	0.0009
28 days	0.0012