PRODUCT DATA

QUICK PATCH

Fast setting, single component, fiber reinforced, cement based, concrete repair mortar.

NOT REGULATED BY FEDERAL OR STATE EPA ARCHITECTURAL COATINGS RULE FOR VOLATILE ORGANIC COMPOUNDS

HOW IT WORKS

By utilizing fast setting cements, QUICK PATCH can be placed into service in as little as 2 hours, depending upon ambient temperature. High early strength allows resumption of traffic with reduced down time.

APPLICATIONS

- Use to repair spalls on highway driving surfaces, bridge decks, warehouse and manufacturing floors, loading docks and parking garage driving surfaces.
- Use to repair warehouse floor joint edge shoulder spalls.
- Use in cold weather or in refrigerated environments.

ADVANTAGES

- Permits resumption of traffic in as little as 2 hours.
- Rapid strength gain - up to 3,000 psi in just 3 hours.
- Excellent bond, tensile, and compression strength.
- Non metallic.
- Extendable up to 80% with 3/8 inch (10 mm) pea gravel.
- Resistant to freeze-thaw related scaling.
- Complies with ASTM C928.

⚠ PRECAUTIONS ⚠

- Minimum thickness is 1/4 inch (6 mm). Do not featheredge.
- Lifts greater than 2 inches (51 mm) in thickness must be extended with 50-80% by weight (40 lbs. maximum per bag) of clean, saturated surface dry (SSD), 3/8 inch (10 mm) pea gravel to dissipate the heat of hydration. Do not add additional water when extending with pea gravel.
- Do not mix more mortar than can be placed in 10 minutes or less.
- Do not add additional water after the first 2 minutes of mixing.
- Do not add plasticizers, accelerators, retarders or additional cement.
- Do not apply product directly over dynamic cracks, control joints, expansion joints or isolation joints.
- Request current product literature, labels and safety data sheets from manufacturer and read thoroughly before product use.

USE INSTRUCTIONS

- Site environmental conditions, substrate conditions and construction have a major effect on product selection, application methods, procedures and rates, appearance and performance. Product literature provides general information applicable to some conditions. However, an adequate site test application by the purchaser or installer in advance of field scale use is mandatory (irrespective of any other verbal or written representations) to verify that product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- Prepare the area to be repaired in accordance with ICRI guidelines by square cutting all perimeter edges.
- Remove all unsound concrete, grease, oil, dirt, laitance and other foreign contamination from the surface to be repaired.
- Before placing QUICK PATCH, thoroughly saturate concrete bonding area with water for 1 hour. Remove excess water and allow concrete bonding surface to dry slightly before QUICK PATCH is placed.
- Pre-wet mixing containers and drain excess water prior to mixing initial batch.
- Add the appropriate amount of clean mixing water (see technical data) to mixer and slowly add QUICK PATCH while continuously mixing. Mix for 1-2 minutes or until a uniform consistency is achieved.
- Lifts greater than 2 inches (51 mm) in thickness must be extended with 50-80% by weight of saturated surface dry (SSD) pea gravel to dissipate the heat of hydration. Do not add additional water when using pea gravel.
- To avoid cold joints in large areas, mixing, placing and finishing operations must occur simultaneously.
- Once mixed, QUICK PATCH should be immediately placed and consolidated by tamping. The surface should be struck off with a screed to a level slightly above the surrounding concrete. Excess can be shaved off with a sharp trowel as the repair mortar sets.
- Application temperatures over 75° F (24° C) may require the use of cold or chilled mixing water to extend working time.
- Cure QUICK PATCH with wet burlap or ASTM C309 approved curing compound.
- Suitable application temperatures (air, material and substrate) range between 20° F (-7° C) and 80° F (27° C).
- Follow recommendations from ACI-305 for hot weather concreting and ACI-306 for cold weather concreting.

- Under excessively hot and/or windy conditions, the use of MONOFILM surface water evaporation reducer is recommended.
- Best results are obtained when the minimum application thickness exceeds 1/4 inch (6 mm).

WATER REQUIREMENT

QUICK PATCH	Mix Water
50 lbs. (22.7 kg)	3.7 qt. (3.5 L)

Note: Jobsite conditions may affect actual quantities of water needed. Above mixing water recommendations are intended only as a guide.

MIXED YIELD

Mixed Bag 57.7 lbs. (26.2 kg)	Approx. 0.43 ft.3 (12.2 L)
50% Extended	Approx. 0.57 ft.3 (16.1 L)
80% Extended	Approx. 0.66 ft.3 (18.7 L)

TECHNICAL DATA

Test Method	Parameter	Test Results
ASTM C109	**Compressive Strength**	**Temp. 70° F (21° C)**
	1 Hour	2,400 psi (16.5 MPa)
	7 Days	3,700 psi (25.5 MPa)
	28 Days	4,700 psi (32.4 MPa)
ASTM C666A	**Freeze Thaw Resistance**	Pass 300 Cycles
ASTM C642	**Absorption**	9.0%
ASTM C109	**Flow**	140 @ 5 min.

Complies with ASTM C928.

PACKAGING

Packaged in 50 lb. (22.7 kg) plastic-lined, moisture-resistant bags.

SHELF LIFE

Shelf life is two years. Use before the “USE BY” date stated on product packaging.

HANDLING/STORAGE

Read Safety Data Sheet (SDS) prior to using. Contains portland cement and silica sand. Use proper safety equipment (gloves, goggles or glasses and dust masks). Store in a cool, dry area.

AVAILABILITY & TECHNICAL SERVICES

In addition to corporate offices in Omaha, Nebraska, NOX-CRETE INC. maintains regional offices and distribution centers in principal markets throughout the world. For source or technical information, call 800-669-2738 or 402-341-2080.

LIMITED WARRANTY

NOTICE-READ CAREFULLY

CONDITIONS OF SALE

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1444 S. 20th St. • P.O. Box 8102 • Omaha, Nebraska 68108 United States
PHONE: (800) NOX-CRETE (669-2738) or (402) 341-2080