



**ITEM NUMBER** CC PATCH ALL 20

**DESCRIPTION**

CC PATCH ALL 20 is a general purpose, non-shrink, cementitious, single component, polymer-modified, repair mortar designed for horizontal and vertical applications. Formulated to be placed in consistencies ranging from putty to plastic.

**INDUSTRY USES**

Use on horizontal or vertical concrete surfaces. Use for a variety of concrete repairs such as columns, beams, slabs, steps, sidewalks, driveways, concrete walls and precast members. Place by trowel - easily shaped, molded or sanded.

**BENEFITS AND FEATURES**

- Made in America
- Polymer-modified
- Volume stable
- Excellent bonding characteristics
- Thermally compatible
- Increases durability and freeze-thaw resistance; excellent adhesion
- Prevents delamination caused by temperature changes
- Ready to use; just add water.
- High strength and excellent workability

**TECHNICAL DATA**

LABORATORY TESTS:	RESULTS
Initial Set Time @ 72°F	8 - 12 Minutes
Final Set Time @ 72°F	15 - 20 Minutes
Working Time @ 72°F	15 minutes
Compressive Strength: ASTM C 109	1 day 3,000 psi (20.68 MPa) 7 days 4,500 psi (31.3 MPa) 28 days 6,500 psi (44.8 MPa)

**COVERAGE**

Approx. 0.45ft<sup>3</sup>/50 lb. bag

**PACKAGING**

50 lb. bag

Shelf Life: 1 year in original unopened container

Storage Conditions: Store in unopened container in a dry and cool area Application Temperature Range: 40° F – 90° F (5° C – 32° C).

**LIMITATIONS**

Apply only when the surface and ambient temperature are 45-50°F (7-10°C) and rising. See Cold Weather Application guidelines, per ACI, for applications in temperatures less than 50°F (10°C). Applications made during temperatures greater than 85°F (29°C) should follow Hot Weather Application guidelines, per ACI.

Do not add more water than specified.

Do not add additional powder from other units

Do not over mix

Minimum thickness of repair is 1/8". Do not featheredge.

Do not use for resurfacing or topping large floor areas



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## **SURFACE PREPARATION**

(See ICRI guidelines)

1. Remove loose and deteriorated concrete by mechanical chipping or sandblasting to obtain a fractured aggregate surface.
2. Detail the edge of the patch to a 90° angle and ¼" deep to eliminate feathering edge.
3. Make sure surfaces are sound, clean and free of all bond-inhibiting materials including oil, dirt, dust and laitance and standing water

## **MIXING**

Use CC PATCH ALL 20 at a preconditioned temperature of 71 ± 5° F (22 ± 3° C). Use 6.0 to 7.0 pts (2.83 to 3.31L) of water per 50lb (23kg) bag. Mixing must be achieved mechanically using a slow-speed, ¾ inch (19mm) drill and mixing paddle. Pour 6.0 pts (2.83L) of water into a clean 5 gallon (19L) mixing bucket. CC Acrylic Bonder is recommended as an admixture for enhanced physical properties.

Mix while slowly adding the powder, one-third at a time. Mix up to 4 minutes to a uniform lump-free consistency. Avoid over mixing which could entrap air.

## **APPLICATION**

Apply only to sound and clean properly prepared frost-free surfaces. Dampen the area to be repaired so that the pores of the concrete are filled with water. Remove any ponding or glistening water on the surface (saturated surface dry/SSD). **IMPORTANT:** Work a scrub coat of the mixed material into the substrate to ensure intimate contact and establish bond. Complete the repair while the scrub coat is still wet and trowel to the desired finish. Applications made during temperatures below 50°F (10°C) or above 85°F (29°C) should follow appropriate application guidelines.

### **Curing**

Direct sun or wind may cause unwanted rapid surface drying. Curing may be accomplished by continuous water fogging for 48 hours or cover with damp burlap or burlene curing blankets. Do not use solvent-based curing compounds. If a coating or sealer will be applied use water fogging or blanket curing methods and prep finished surface per manufacturer's recommendations.

## **CLEAN UP**

Clean tools and equipment with clean water immediately after use. Cured material must be removed mechanically.

## **CAUTION**

### **Safety Considerations**

- Use adequate ventilation.
- Use of NIOSH/MSHA approved dust vapor respirator, safety goggles and protective gloves are recommended.

### **First Aid**

- **EYE CONTACT:** Flush immediately with water for at least 15 minutes. Contact physician immediately.
- **RESPIRATORY CONTACT:** Remove person to fresh air. If the discomfort persists, breathing difficulty occurs, or if swallowed seek medical attention.
- **SKIN CONTACT:** Remove any contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

## **WARRANTY**

**KEEP CONTAINER TIGHTLY CLOSED – KEEP OUT OF REACH OF CHILDREN – NOT FOR INTERNAL CONSUMPTION – FOR INDUSTRIAL USE ONLY**

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