



CC PATCH SUPREME PLUS

TWO COMPONENT, LATEX MODIFIED REPAIR MORTAR

ITEM NUMBER CC PATCH SUPREME PLUS

DESCRIPTION

CC PATCH SUPREME PLUS is a two-component, cement based, latex-modified repair mortar, specifically designed to provide fast and durable repairs to vehicle-exposed concrete surfaces.

INDUSTRY USES

Use on horizontal concrete surfaces. Use for a variety of concrete repairs such concrete pavements, ramps, driveways, garage or warehouse floors, parking structures.

BENEFITS AND FEATURES

- Made in America
- Polymer-modified with liquid latex admixture
- Volume stable
- Excellent abrasion resistance
- Improved tensile and flexural strength
- Increases durability and freeze-thaw resistance; excellent adhesion
- Prevents delamination caused by temperature changes
- Easy to mix – add polymer
- High strength and excellent workability

TECHNICAL DATA

7 PINTS (7.3 LBS; 3.3 KG) OF POLYMER PER 50 LBS OF PATCH SUPREME PLUS POWDER

LABORATORY TESTS:	RESULTS
Initial Set Time @ 72°F	18 Minutes
Final Set Time @ 72°F	25 Minutes
Working Time @ 72°F	30 minutes
Compressive Strength: ASTM C 109	3 hours 1,500 psi (10.40 MPa) 7 days 5,500 psi (37.92 MPa) 28 days 6,500 psi (44.8 MPa)

COVERAGE

Approx. 0.45ft³/50 lb. bag with jug of polymer
20 sq. ft. (1.9 sq. m) at 14" (.6 cm) thickness.

PACKAGING

50 lb. bag & jug

50 lb. pail & jug

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 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 SUPREME PLUS at a preconditioned temperature of 71 ± 5° F (22 ± 3° C). Use 6.0 to 7.0 pts (2.83 to 3.31L) of polymer 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 polymer into a clean 5 gallon (19L) mixing bucket.

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. For applications over 2 inches extend with 60 % by weight with clean, SSD, 3/8" (1 cm) pea gravel. Place material within a 20-minute timeframe.

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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