

EMACO[®] S66-CR

- Description:** Heavy-duty corrosion-resistant repair concrete.
- Application:** Horizontal and formed vertical and overhead applications in interior and exterior environments.
- Packaging:** EMACO S66-CR is packaged in 55 lb (25 kg) moisture-resistant bags. The yield is 0.43 ft³ (0.012 m³) per 55 lb (25 kg) bag.
- Storage Life:** EMACO S66-CR has a shelf life of approximately 18 months when stored in a cool, dry environment. The expiration date is printed on each bag.
- Coverage:** A 55 lb (25 kg) bag of EMACO S66-CR mortar will cover approximately 5.0 ft² (0.46 m²) at a 1 in. (25 mm) thickness.

Important: Read This First

Master Builders does not warrant the performance of this product unless the instructions of this document and other related Master Builders documents are adhered to in all respects.

DIRECTIONS:

Surface Preparation:

1. Square cut or under cut the perimeter of the area to be patched to a depth of 1 in. (25 mm). Do not cut the reinforcement.
2. Chip unsound concrete within the area to be repaired to a depth of 1 in. (25 mm) or to whatever additional depth is necessary to reach sound concrete.
3. Remove areas that have been saturated with oil or grease.
4. Thoroughly clean the chipped surface of contaminants such as dirt, loose chips and dust. Remove rust from exposed reinforcement by abrasive blasting or high pressure water blasting. In preparing steel, refer to the International Concrete Repair Institute Publication entitled "Surface preparation Guidelines for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion".
5. Form as required on vertical surfaces.
6. Saturate the area thoroughly with water for several hours prior to placing the mortar.
7. Immediately prior to mixing, blow off or remove all excess water from repair area. Use oil free compressed air to remove all standing water. Surface should be saturated, surface dry (SSD).

page 1 of 2 . . .

Bonding for Horizontal Applications:

1. Apply a bond scrub coat on the clean, roughened surface before the application of EMACO S66-CR. Thoroughly bond scrub a thin layer of EMACO S66-CR into the saturated surface with a stiff bristle broom or brush. Do not apply more of this bond coat than can be covered with the concrete before the bond coat dries. Do not retemper this bond coat.
2. A bonding adhesive such as CONCRESEIVE® LIQUID LPL or CONCRESEIVE® STANDARD LIQUID may be used, if no moisture transmission or moisture gradient is occurring from the substrate; however, it is not required for most applications. A bond coat slurry is not required when a bonding adhesive is used.

Mixing:

Mechanical mixing is recommended with use of a slow speed drill (400 to 600 rpm) and a Jiffler-type paddle, or in an appropriate size mortar mixer. Add enough water to the mixing container to obtain a slump of 4 to 6 in. (100 to 150 mm), approximately 0.6 gal. (2.3 L) per bag. Add the contents of the bag to the container while continuing to mix. Mix to a uniform consistency. Typical mixing time is 3 to 5 minutes.

Do not mix longer than 5 minutes.

Application and Finishing:

Apply the mortar on top of the prewetted substrate on still damp bond coat slurry. Minimum application thickness is 1 in. (25 mm). EMACO S66-CR may be finished by hand or machine similarly to other concrete placements. Where rapid surface evaporation may occur, in hot, dry or windy conditions, use CONFILM® Evaporation Reducer.

Curing:

EMACO S66-CR mortar must be cured properly. Apply MASTERKURE®, or MASTERKURE® 100W or 200W curing compounds in accordance with label instructions as soon as the surface cannot be marred by the application. Sheeting material, wet burlap or fog spray may be used in lieu of curing compounds. Minimum curing time for wet curing is 7 days.

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