

EMACO® S77-CR

- Description:** Highly pourable and flowable heavy-duty, corrosion-resistant repair mortar.
- Application:** Horizontal and formed vertical and overhead applications in interior and exterior environments.
- Packaging:** EMACO S77-CR is packaged in 55 lb (25 kg) moisture-resistant bags or 3300 lb (1500 kg) bulk bags. The yield is approximately 0.50 ft³ (0.014 m³) per 55 lb (25 kg) bag.
- Storage Life:** EMACO S77-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 S77-CR mortar will cover approximately 6.0 ft² (0.56 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 minimum depth of 3/8 in. (10 mm). Do not cut the reinforcement.
2. Chip unsound concrete within the area to be repaired to a minimum depth of 3/8 in. (10 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).

Mixing:

Mechanical mixing is recommended with use of a slow speed drill (400 to 600 rpm) and a Jiffier-type paddle, or in an appropriate size mortar mixer. Add enough water to the mixing container to obtain a reading of 4 to 6 inches using a Master Builders Technologies Flow Guide (approximately 0.9 to 1.2 gals 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.

Formed Applications:

1. Apply form release agent.
2. Erect forms for EMACO S77-CR.
3. Apply caulk or tape to make form edges water tight.
4. Check formed sections for water tightness before installing EMACO S77-CR.
5. Remove forms on the following day.

Application and Finishing:

Apply the mortar on top of the prewetted substrate. Minimum application thickness is 3/8 in. (10 mm). EMACO S77-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 S77-CR mortar must be cured properly. Apply MASTERKURE® CR or MASTERKURE® 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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