



MT. SAVAGE SPECIALTY REFRACTORIES COMPANY

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WATERPROOF HI-TEMP MORTAR GENERAL INSTALLATION INSTRUCTIONS

STORAGE

The product must be kept dry until use. Keep shrink wrapping intact. Avoid storage in excessively humid areas. The shelf life of cement bonded refractory mortar is 12 months when stored under the proper conditions. The product should be maintained at 40°F minimum to 90°F maximum for use. Several days may be required to cool or warm material stored in excessively hot or cold conditions.

TEMPERATURE

Air, water and material temperatures must be between 40°F and 90°F. The installed mortar must be kept above 40°F for a minimum of 24 hours.

NOTE: Thick coatings placed under very cold conditions are more likely to experience explosive spalling due to the sudden release of steam upon heat-up.

MIXING

Use only clean, cool, drinking quality water. Use the minimum amount of water necessary for placement. The amount of water required to achieve troweling consistency is approximately 22% by weight (2.5 gallons per 100 lbs) Mix the mortar and water in a clean paddle mixer for 2 to 5 minutes depending on the amount of the material and the efficiency of the mixer. To avoid lumps, add water slowly in stages allowing it to distribute evenly between water additions. Contamination – especially from Portland cement – may radically alter the setting properties.

NOTE: Excess water will lower the strength of the product and may cause problems during dry-out.

PLACEMENT

Place by conventional troweling or dipping methods. The mortar should be used within 1 hour.

CURING/HEAT-UP

In order to allow the bond to develop, keep the material damp for 24 hours by applying a curing compound or a fine water spray as needed or by covering with plastic. On heat-up avoid direct flame impingement and heat slowly to avoid steam spalling.