



MT. SAVAGE SPECIALTY REFRACTORIES COMPANY

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ULTRA-TEK SHOTCRETE GUIDELINES

These recommendations should be followed when installing ULTRA-TEK products by shotcreting. These guidelines are not exhaustive and assume that the operator has a thorough knowledge of shotcreting technology, the equipment being used and the installation conditions.

- 1) Dry material and the appropriate amount of water must be mixed in a paddle or other high intensity mixer for a minimum of 6 minutes.
- 2) ULTRA SET binder is supplied dry in pails and should be mixed at the rate of 50# of dry binder to 40 gallons of water.
- 3) ULTRA SET binder must be continuously mixed to maintain suspension.
- 4) Pump the binder to the nozzle to accelerate the shotcrete material on the application surface. The rate of binder required will vary slightly with application conditions. As a rule the 40 gallon batch is more than adequate for 22.5 net tons of shotcrete. When ambient temperatures are below 50°F it is recommended that the binder mix is kept warm.
- 5) Use only clean potable water for mixing binder and material.
- 6) It is recommended that material and water temperatures are maintained above 50°F.
- 7) Consult with your Mt. Savage representative for any other questions.