Instructions for AP Green Mizzou Castable

- Material must be stored in a dry place.
- Porous back-up materials or wood forms should be waterproofed. Absorption of water can result in reduced flow for the product and weaker cured refractory.
- Forms must be stout appropriate to the size of the casting.
- This product is designed to be mixed with water and then poured or hand-cast into place.
- For best results, water should be maintained at 50-70F.
- Approximate water for installation: 55 lbs. to 5 pints of water.
- Mix for at least three minutes.
- For best results, wet-mix temperature should be maintained between 60 to 75F.
- Minor adjustments to the amount of water are permissible to achieve desired flow.
- Do not exceed 11.0% water under any circumstances. Excess water gives a weak, porous casting.
- Place material promptly.
- Do not trowel to slick finish.
- At temperatures above 60F, air cure, keeping surfaces damp and/or covered, for 16 to 24 hours typically or until a hard set has developed. Lower temperatures will increase the time before a hard set develops. Best results are achieved at curing temperatures of 90 to 110F.
- Keep material from freezing during air cure and preferably until a dry-out can be initiated. Freezing of this product prior to water removal can cause structural damage.
- Never enclose a castable in a vapor-tight encasement as a dangerous steam explosion may result.
- Typical dry-out schedule for a single layer, 9" thick or less:
    - Ambient temperature to 250F at 75F per hour. Hold at 250F for ½ hour per inch thickness.
    - 250F to 500F at 75F per hour. Hold at 500F for ½ hour per inch thickness.
    - 500F to 1000F at 75F per hour. Hold at 1000F for ½ hour per inch thickness
    - 1000F to use temperature 75F per hour