KAST-O-LITE 30 LI PLUS

--------- GENERAL INSTRUCTIONS ---------

Material should be stored in a dry place. For best results, material should be maintained at 50-70°F prior to casting. Under these conditions, the maximum recommended storage life for this product is twelve months.

Porous back-up materials or wood forms should be waterproofed. Absorption of water can result in reduced flow for the product. **Forms must be stout and water tight.**

This product is designed to be mixed with water and then poured/handcast into place. **All equipment** used to mix this product **must be clean.**

Never mix less than full bags. **Add only clean water suitable for drinking with a pH value between 6.0 and 7.5.** For best results, water should be maintained at 50-70°F.

--------- MIXING REQUIREMENTS ---------

Approximate Water For Installation

<table>
<thead>
<tr>
<th>Bag Size</th>
<th>Poured/Handcast</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 lbs. (45.5 kg)</td>
<td>17.2 (8.1)</td>
</tr>
<tr>
<td>55 lbs. (25.0 kg)</td>
<td>9.5 (4.5)</td>
</tr>
<tr>
<td>50 lbs. (22.7 kg)</td>
<td>8.6 (4.1)</td>
</tr>
</tbody>
</table>

**Wt. % of dry solids**

18.0

Mix for at least three minutes. For best results, wet mix temperature should be maintained at 60-75°F. Minor adjustments to the amount of water are permissible to achieve desired flow.

--------- INSTALLATION ---------

Place material promptly. Do not trowel to slick finish. At temperatures above 60°F, air cure, keeping surfaces damp and/or covered, for 16-24 hours typically or until a hard set has developed. **Lower temperatures will increase the time before a hard set develops.** The best results are achieved at curing temperatures of 90-110°F. Keep material from freezing during air cure and preferably until a dryout can be initiated. Freezing of this product prior to water removal can cause structural damage.
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------- HEAT UP SCHEDULE -------

Never enclose a castable in a vapor-tight encasement as a dangerous steam explosion may result. Typical dryout schedule for a single layer, 9" (229 mm) thick or less:

ambient to use temperature 100F (56C) per hour

For thicker or multi-layer linings, contact your Harbison-Walker representative for a recommended dryout schedule.

Review Material Safety Data Sheet & Warning Labels

03/06 JJG/JEB