



packaging

pro krt



### 1. Product Name

ASH GROVE PRO® KRT

### 2. Manufacturer

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### 3. Product Description

ASH GROVE PRO® KRT is a portland cement based mortar designed for thick setting beds under ceramic or quarry tiles. When mixed to a dry consistency, it allows maximum compaction during tamping and is ideal for shower receptors requiring a 3/4" to 1-1/2" thick setting bed.

#### BASIC USE:

Recommended for construction or repair of:

- Over concrete floors
- Shower receptors
- Over plywood substrates (with a waterproof membrane )
- Under ceramic tile, quarry or pavers
- Roofs and decks

#### COMPOSITION & MATERIALS:

ASH GROVE PRO® KRT is a uniformly blended and easy to use mixture of portland and coarsely graded sands specifically designed for general concrete use and repair.

### 4. Advantages/Benefits

ASH GROVE PRO® KRT has several advantages including:

- Excellent workability
- Pre-measured packaging for easy mixing; just add water
- Convenient for small or large jobs
- Labor savings
- Interior or exterior

### 5. Preparation

All installations must conform to the current specifications in the *TCA Handbook for all Thick Bed Installations*.

- When installing mud beds requiring reinforcement, place wire mesh reinforcement in the center of the mortar bed, reinforcement shall not butt against vertical surfaces.
- Mortar beds should conform to ANSI 108.1 and TCA F101, F 103, F 111, F 112, F 114, F 121, F 125, F 132, F 141 and F 151.

- All concrete substrates must be free of dirt, dust or oils. Smooth surfaces must be scarified. Saturate cleaned and scarified concrete with water, ( be sure not to leave water puddles), followed by a slurry bond coat, and install ASH GROVE PRO® KRT.

When installing ASH GROVE PRO® KRT in a shower receptor, steam room, or wet areas requiring waterproof membranes, KRT must be tamped and sloped towards drain at 1/4" per foot and have a waterproof membrane and flanged drain installed prior to KRT installation. Refer to TCA B414, TR418 and SR613.

Refer To:

- ASTM D 4259 *Abrading Concrete*
- ICRI Guideline 03730 *Surface Preparation Guidelines for Repair of Deteriorated Concrete Resulting from Reinforcing Steel Oxidation*
- ICRI Guideline 03732 *Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays*
- ACI 201.1R *Guide for Making a Condition Survey of Concrete in Service*

### 6. Mixing Instructions

Use cool, clean water (drinking water is best) or ASH GROVE PRO® Acrylic Admixture or a combination of both, clean tools and a clean container. Add just enough dry mix to liquid to produce a lump free, dry consistency and workability to enable a maximum compaction during tamping. Mix thoroughly. Let slake for 5 minutes, remix and use.

### 7. Placement

After the KRT mud sets, shave off KRT mud to get desired slope and shape. Allow the mud to cure about 24 hours before tiling.

#### Installation of Tile with Wet Set Mortar

1. Soak tile in clean, potable water until saturated and drain excess water before setting tile. Immerse tile completely during the soaking period. Re-soaking of tile may be necessary if the tile exhibits drying along the edges before setting.
2. Apply a coat of white neat cement over the mortar bed while still fresh and workable. Set tile firmly on the mortar bed. Space tiles to desired grout joint width and bring surfaces to a true level plane. Thoroughly beat tile while the mortar bed is still workable. Coverage under tile should be at a minimum 80% interior and 100% exterior. Refer to ANSI 108.1A, 108.1B and *TCA Handbook for Ceramic Tile Installation*



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### Installation of Tile with the Dry Set Method

For installations of tile over a cured KRT (minimum 20 hours of curing), use ASH GROVE PRO® Flexible Thin-Set Mortar or ASH GROVE PRO® Multi-Purpose Thin-Set Mortar. Consult the respective product information sheet for the Thin-Set.

### **8. Curing**

Slightly mist the mortar after a few hours to aid in curing. If ASH GROVE PRO® Acrylic Admixture was used in the mixing liquid, curing is not recommended unless the mortar is in a hot, dry area. Under such conditions, cure per ACI 308 –*Standard Practices for Curing Concrete*.

### **9. Limitations**

- Do not use over water
- Do not use without a waterproof membrane when used over non-concrete substrates
- Do not apply over concrete less than 7 days old
- Do not use dirty water
- Do not apply when air or substrate temperature is below 40°F or above 90°F within 24 hours of application

### **10. Coverage**

80 lb. bag covers 11 sq. ft. @ 1"

### **11. Warning**

ASH GROVE PRO® KRT contains silicon dioxide, portland cement and calcium hydroxide. Your skin may be sensitive to cement. Wearing rubber gloves is recommended. Avoid eye contact and prolonged skin contact. In case of contact, flush thoroughly with water. For eyes, flush with clean water for at least 15 minutes and get prompt medical attention. Material Safety Data Sheets are available upon request or at [www.ashgrovepkg.com](http://www.ashgrovepkg.com).

### **12. Limited Warranty**

Packager, having no control over the use of the material, does not guarantee finished work. Replacement of any defective product or refund of the purchase price of defective product shall be the buyer's sole remedy under this warranty.

THIS LIMITED WARRANTY EXCLUDES ANY LIABILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT OR SPECIAL DAMAGES.

EXCEPT FOR THE LIMITED WARRANTY MADE ABOVE, PACKAGER SPECIFICALLY DISCLAIMS AND EXCLUDES ANY OTHER EXPRESS WARRANTY, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF GOODS AND ANY IMPLIED WARRANTY OF FITNESS OF GOODS FOR ANY PARTICULAR PURPOSE.

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