CERAMABOND is a professional grade polymer modified dry-set mortar. It has an excellent bond to porcelain tile, ceramic tile and stone over a variety of substrates. CERAMABOND offers the ease of application of dry-set mortars while significantly improving bond strengths, freeze-thaw stability, flexibility and other qualities formerly only available through the use of liquid latex additives or epoxy systems.

**TEXTURE:**
Powder, consisting of portland cement, polymer additives and graded sand.

**COLORS:**
Gray or white.

**PACKAGING:**
50 lb (22.7 kg) bag.

**BASIC USE:**
> CERAMABOND is used as a bond coat for setting high lug absorptive, semi-vitreous and vitreous ceramic tiles for both residential and commercial use.

> Apply setting mortar from 3/32” - 3/16” (3-5 mm) thickness after the tiles are properly embedded.

> CERAMABOND has excellent water and impact resistance, is water cleanable, non-flammable, good for exterior and interior work and requires no soaking of tiles.

**AREA OF USE:**
Suitable backings include properly prepared plumb and true masonry, concrete, cementitious backer units, cured portland cement mortar, beds, brick, ceramic tiles, marble and cement based terrazzo. In interior dry area only, use CERAMABOND over gypsum board, exterior glue plywood and high pressure laminate.

**BENEFITS:**
> CERAMABOND provides a permanent installation with higher bond strength and lower material and labor costs than conventional portland cement mortar beds.

> CERAMABOND can bond over properly prepared VCT, sheet vinyl flooring (excluding cushion backed) and cutback adhesive residue when prepared in accordance with the resilient Floor Covering Institute’s recommended work practices for removal of resilient floor coverings.

> CERAMABOND may be used over waterproofing or crack isolation membranes meeting ANSI A118.10 and A118.12. Any other substrate must be approved in writing by an officer of the manufacturer.

**LIMITATIONS:**
> CERAMABOND must not be applied directly to asphalt sheeting, vinyl covered wall board, masonite, lauan plywood, cement asbestos board, metal, glass or plastic, curing compounds and chemically treated surfaces.

> Improperly cured or wet plywood, tongue and groove plywood, particle-board, strip wood surfaces or gypsum mortar beds are not considered suitable substrates.

> Some green or red marbles may warp when installed with setting materials containing water, causing loss of bond and/or damage to the finish. These marbles must be set with EPOXYPLUS® TS.

> Use in temperature range above 40 °F (4 °C).

> Do not allow mortar to freeze for the first 72 hours.

> CERAMABOND is not affected by prolonged water contact but it does not form a waterproof barrier.

**APPLICABLE STANDARDS:**
Meets and exceeds requirements for dry-set mortars found in ANSI A118.1, ANSI A118.4, A118.11, A108.5, A108.11, A108.12.
**INSTALLATION: PREPARATORY WORK**

All surfaces must be dry, structurally sound and solid and be above 40°F (4°C) and below 90°F (32°C) during application and initial cure (72 hours).

**CEMENTITIOUS SUBSTRATES**

Area must be clean and dry. Remove all efflorescence, grease, oil, dirt, dust, paint, sealers, curing compounds, asphalt, cut back residue, old adhesives and other foreign matter. Failure to remove these items causes bond loss and void areas. All surfaces must be dry, structurally sound and solid and be above 40 °F (4 °C) and below 90 °F (32 °C) during application and initial cure (72 hours).

**NON-CEMENTITIOUS SUBSTRATES**

NON-CEMENTITIOUS SUBSTRATES

All conforming surfaces such as strip wood, old plaster or painted surfaces can be covered with a cleavage membrane topped with a 3/8” - 3/4” (10-20 mm) reinforced mortar bed for walls and a 1 1/4“ (32 mm) for floors. After a minimum of 20 hours, the dry-set mortar may be applied to the mortar bed. Plastic laminate shall be sanded and well bonded to its substrate.

**TILE OVER TILE AND OTHER SURFACE**

It is absolutely essential that the existing tile and other surfaces be well bonded. The surfaces must be prepared in accordance with the requirements for cementitious surfaces. It is also necessary to abrade the surface to assure proper bonding. Other surfaces include terrazzo and marble. Remove all waxes, sealers and coatings that would interfere with the bond.

**EXCHANGE JOINTS**

Install expansion joints around all perimeters or restraining surfaces where possible to allow for expansion movement. Never bridge an expansion joint. Add additional joints for large areas and areas subject to the sunlight, heat/cold temperatures in accordance with local building codes. See EJ71 in TCNA Handbook for detailed specifications. Remove all thinset mortar, grout and debris from joints before backer rod and sealant are placed.

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**CUTBACK ADHESIVE**

Remove thick, powdery, brittle and weak layers. Do not add any additional water after this point. Stir mortar occasionally to prevent surface hardening.

**COVERAGE:**

A 50 lb (22.7 kg) bag using a square-notched trowel covers:

- 1/4” X 1/4” = 77 sq ft
- 1/4” X 3/8” = 86 sq ft
- 1/2” X 1/2” = 40 sq ft

**CURING AND GROUTING**

A minimum cure is obtained in 12-24 hours depending on ambient temperatures. Normal grouting should be done 48 hours later.

**STORAGE LIFE:**

One year if kept dry in sealed bag.

**SAFETY - CAUTION:**

May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

**KEEP OUT OF REACH OF CHILDREN**

**GUARANTEE:**

The recommendations, suggestions, statements and technical data in this bulletin are based on our best knowledge. They are given for informational purposes only and without any responsibility for their use. The responsibility for the seller and manufacturer is only to replace that portion of the product of this manufacturer. No warranty is made of the ingredients or the manufacturing process itself. However, since handling and use is beyond our control, we do not guarantee the results to be obtained. Only written statements signed by an officer of the manufacturer are binding on the manufacturer and seller. Nothing in this bulletin should be interpreted as a recommendation for a use, which violates any patent right.

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**Technical Data:**

**CERAMABOND®**

<table>
<thead>
<tr>
<th>TEST</th>
<th>REQUIREMENT</th>
<th>TYPICAL VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Open time @ 70 °F (21 °C)</td>
<td>15 minutes</td>
<td></td>
</tr>
<tr>
<td>*Adjustability @ 70 °F (21 °C)</td>
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<tr>
<td>*Pot life @ 70 °F (21 °C)</td>
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<tr>
<td>Compressive strenght (psi)</td>
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<tr>
<td>ASTM C-109</td>
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<tr>
<td>Shear bond (psi) ANSI A118.4</td>
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<td>Non-vitreous tile 7 days</td>
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<tr>
<td>28 days</td>
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<tr>
<td>Porcelain tile 7 days</td>
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<tr>
<td>28 days</td>
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<tr>
<td>Non-vitreous tile 7 days</td>
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<tr>
<td>(over plywood) ANSI A 118.11 28 days</td>
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<tr>
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<tr>
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*These values reflect the results of practical testing methods closely associated with applications in the field.*