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DIVISION

Tile & Stone  
Installation Materials  
09 30 95

# KeedeSet Flex

## All-Purpose Thinset Mortar

### PACKAGING

- 50 lb (22.5 kg) double wall bag

### STANDARDS

Meets and exceeds the requirements of A.N.S.I. A108.5, CTI 64.1 and bond shear requirements of A.N.S.I. A118.4

### APPROVED SUBSTRATES

KeedeSet Pro may be used:

- Over APA Grades OSB & Plywood
- Cement backer board
- Properly prepared gypsum
- Concrete
- Gypsum wallboard

**KeedeSet Flex is a polymer modified, all-purpose thinset mortar designed for the installation of tiles over most substrates for residential and commercial applications.**

### Features

- › Professional thinset for most standard installations
- › Polymer modified for additional bond strength
- › Cures quickly and evenly
- › Exceeds designated ANSI requirements without need for additive

### Properties

<b>Working Time</b>	Approximately 30-40 minutes
<b>Set Time</b>	Initial Set - Approx. 3-7 hours
<b>Pot Life</b>	Approximately 2 hours
<b>Coverage (50 lb Bag)</b>	1/4" x 3/8" x 1/4" notched trowel - approximately an average of 65 sq. ft. per 50 lb. bag.
<b>Time Before Grouting</b>	12-24 hours
<b>Shelf Life</b>	1 year when stored properly
<b>Color</b>	White & Gray
<b>SKU</b>	Gray: TS-KSF-G-50 White: TS-KSF-W-50

*All specifications were tested in laboratory conditions: 70°F in a controlled environment using our approved water content. Changing the temperature, or mixing ratios, or the environment can effect these specifications. Call Technical Services if you have any questions.*

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## Preparation & Application

Reference the tile manufacturers documentation to verify suitability of KeedeSet Flex as a thinset mortar for the tile work. Follow the directions of the tile manufacturer to determine the maximum allowable moisture content (RH) or transmission of the substrate. If the moisture content (ASTM F-2170) or moisture vapor transmission rate (ASTM F-1869) of the substrate exceeds the requirements of the flooring system, utilize an approved 100% epoxy moisture vapor mitigator prior to installation of KeedeSet Flex.

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## Surface Preparation

### Concrete Floors

- All floors on which tiles are to be set must be 28 days old, structurally sound and free of frost.
- The ambient temperature must be above freezing and maintained above freezing during cure.
- All substrates should be dry, mechanically cleaned of dust, grease, oil, dirt, and other bond breakers.

### Concrete And Other Cementitious Substrates

- Dampen cementitious substrates prior to applying KeedeSet Flex.

### Gypsum Substrates

- Gypsum substrates are very porous and shall be primed with appropriate primer or sealer and allowed to dry before applying KeedeSet Flex.

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## Surface Preparation (Continued)

### Wooden Substrates

- A minimum 5/8" over the subfloor: all structural wood subfloor to be placed over joist minimum 16" on center.
- The structural wood subflooring must be secured with screws or ring shank nails and glued where possible. Make sure there is absolutely no movement in the floor.
- A gap of 1/8" should be left between sheets of plywood to allow for expansion.
- Dampen or use a very loose mortar mix slurry on plywood prior to application.

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## Mixing

Blend with 5 to 5.5 quarts cool, clean water.

### Material Application

- Mix KeedeSet Flex with clean potable water to obtain a smooth mortar.
- Allow mix to slake for 10-15 minutes, and then re-mix before using.
- Spread mortar with flat side of trowel to wet substrate; then re-apply mortar to a depth sufficient to be notched with 1/4" x 3/8" x 1/4" notched trowel.
- With high lug bowed or large tiles, "back buttering" is required to get a minimum of 1/8" thick KeedeSet Pro after tile has been beat-in.
- Do not adjust tiles after they have been set past 10-15 minutes.

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## Curing & Grouting

- A minimum cure is obtained in 12-24 hours depending on ambient temperature.
- Grouting can be done before the mortar takes its final set if caution is used not to break the plastic mortar bond to the tile.
- Normal grouting should be done 24 hours later.

(KeedeSet Pro may be used on walls provided caution is taken to prevent tiles from slipping, due to the high polymer content of KeedeSet Pro. Extra time should be allowed for it to complete the cure cycle.)

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## Clean-Up

Wash hands and tools with water before the material hardens, or within 10 minutes of material contact to ensure easiest removal. Cured material must be removed mechanically. Dispose waste or excess material in accordance with all local, state and federal regulations. Hardened material is generally considered construction waste.

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## Safety

Contains Portland cement: freshly mixed mortar may cause skin injury. Avoid contact with skin where possible. Wash exposed skin areas promptly with water. If mortar gets in eyes, rinse immediately and repeat. Get prompt medical attention.

KEEP OUT OF REACH OF CHILDREN.

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## LIMITED WARRANTY

The suitability of the product for an intended use shall be solely up to the user. Job site conditions including surface preparation, temperature, humidity, and tile quality can adversely affect the products performance. Warranties of merchantability and of fitness are hereby disclaimed. Manufacturer and seller assume no liability for consequential damages. Manufacturer agrees to replace or pay for any material proved to be defective with no liability beyond the purchase price of defective materials. This warranty is in place of all other warranties, expressed or implied. No person has the authority to change these items and there are no warranties except as herein stated.

Dependable, LLC warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Dependable, LLC. will correct any such failure by either replacing or repairing any defective goods, at Dependable, LLC's option.

The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.

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## 24 HOUR EMERGENCY: CHEMTREC®

**1-800-424-9300**

### NON-TOXIC and NON-FLAMMABLE

Keep container closed and keep away from children. May cause slight eye abrasion or irritation if spilled or rubbed in eyes. Flush thoroughly with water.

If taken internally, call a physician.

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Published technical data & instructions are subject to change without notice. Please contact Dependable for the most current technical data, safety data & application instructions.

### Technical Assistance:

Visit our website: [floorprep.com](http://floorprep.com) or call

**1-800-227-3434**

