

# SuperSet

**Indoor**  
**Thinset Mortar**

**energex**<sup>®</sup>  
wall systems

## Multi-Purpose

**Polymer Modified Thinset Mortar Grey / White**

### Uses:

For Adhering Ceramic, porcelain, pavers, marble and other natural stone to Properly prepared concrete, masonry, gypsum board, cured portland cement and concrete block

### Key Features:

- Superior trowel ability
- Superior bond strength
- Exceeds ANSI A118.1 standards
- Residential to medium commercial applications

### Suitable for:

Both wall and floor installations

Interior installations only

### Not Suitable for:

hardwood, masonite, chipboard, flakeboard, presswood, asbestos board, vinyl flooring, luan plywood, OSB, metal, gypsum based levelers, glass, plastic, cutback adhesive residue, laminate counter tops, or other unstable substrate. Tiles prone to curling such as green marble.

### Mixing:

- 1) Add approximately 6 quarts of cool, clean water into a clean mixing container. Note: mix with Superset thinset additive instead of water for enhanced performance and flexibility.
- 2) Add Thinset powder Gradually while slowly mixing using bucket mixer or mortar box. **Warning;** Do not use high-speed drills.
- 3) Continue mixing for about 3-5 minutes or until the mixture becomes a thick, smooth, workable consistency.
- 4) Allow mixed thinset to stand for 10-15 minutes.
- 5) Remix 1-2 minutes before applying. Mixture should be stirred occasionally during use. Workable time is approximately 2-3 hours depending on temperature and humidity. Do not retemper.

### Application:

All surfaces must be clean and dry. Apply a thin layer of thinset with flat edge of trowel. Using the proper sized notched trowel for the tiles being installed, apply a second coat to form the notches. Trowel only a small area that can be tiled before the thinset skins over approx; (15-20 minutes). thinset skins over, remove and apply fresh thinset. Apply tiles with pressure using a slight twisting motion. Immediately tamp tiles in to ensure maximum contact and bond. Buttering the back of the tiles may be necessary to ensure 100% coverage. Do not use at temperatures below 45°F (7°C) or above 95°F (35°C).

### Installation:

All installations must be set in accordance with the most recent publication of the Tile Council of North America's "TCNA Handbook for Ceramic, Glass, and Stone Tile Installation" and the following guidelines.

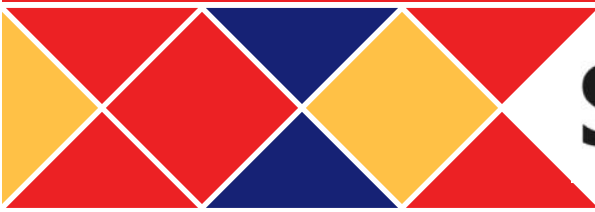
**Important Notice to Purchaser:** The following is made in lieu of all warranties, express or implied: **energex**<sup>®</sup>'s (eifs, inc.) only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequently arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. The foregoing may not be altered except by an agreement signed by officers of seller and manufacturer.

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**FORM SS-20**



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### Trowel types & Approx. coverages Not drawn to scale



3/16" x 3/16" v notched trowel  
Approx; coverage 100-115 sq.ft. per bag



1/4" x 1/4" x 1/4" square notched trowel  
Approx; coverage 75-85 sq.ft. per bag



1/4" x 3/8" x 1/4" square notched trowel  
Approx; coverage 50-55 sq.ft. per bag

### Testing Data: ANSI A118.1 – 1999 test

28 day shear strength Glazed Wall Tile	>410 PSI
28 day shear strength Impervious ceramic	>298 PSI
Shear bond Tile/Plywood	>205 PSI
TCA service rating	>Extra Heavy
VOCs	0 g/L

### Curing:

All-purpose thinset may be damp cured with water for three days to increase hardness prior to grouting. All traffic should be kept off the floor for a minimum of 48 hours. Jobsite temperature must remain between 45F and 95F for a minimum of 72 hours after installation.

### Grouting:

Tiles may be grouted in 24 hours if tiles are well set and a kneeling board is used.

### Packaging:

50 lb. (22.7 Kg.) plastic lined paper bag

### Shelf Life:

One year when stored in original packaging in a dry, well-ventilated place. Exposure to moisture will shorten the shelf life.

**WARNING! EYE AND SKIN IRRITANT.** Contains crystalline silica and Portland cement. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. For additional information, see Safety Data Sheet (SDS) for this product on our website.

**Properties:** Times may vary depending on conditions

**Open Time** > 50 Minutes

**Pot Life** 2-3 Hours

**Cure time before Grouting** 24 Hours

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