



# E-Z MIX INC.

## SPEC MIX®

### TS MORTAR

## PRODUCT

SPEC MIX® TS Mortar



## DESCRIPTION

SPEC MIX® TS Mortar is an economical thin-set mortar with good bond strength for most tile projects and is recommended for floor installations. Suitable for ceramic tile, Saltillo and other similar clay pavers. Available in gray and white.

## USES

For interior installations over concrete floors. Suitable for ceramic tile, Saltillo and other similar clay pavers. Can be used for interior and exterior installation of tile in most residential and commercial floor and wall applications when mixed with liquid polymer.

## ADVANTAGES

- Factory pre-blended for highest quality
- Good bond strength
- Interior applications over concrete floors

## SUITABLE SUBSTRATES

When mixed with water ANSI A118.1

- Gypsum Wallboard\*
- Gypsum Plaster\*
- Cement Backer Board\*\*
- Cement Mortar beds
- Concrete
- Concrete Block
- Cement Terrazzo

When mixed with liquid Polymer ANSI A118.4 and ANSI A118.11

- Exterior Glue Plywood\*
- Existing Ceramic tile and stone
- Exterior floors and walls

\*Interior use only

\*\*Consult cement backer board manufacturer for specific installations and to verify acceptability for exterior use.

## PACKAGING

Available in 50 lb. (22.6 kg) packages for ease of handling.



## COVERAGE

Approximate coverage per 50 lb. bag.

Using a square notched trowel.

1/4" x 1/4" (6 x 6 mm)	80 - 90 sq. ft.
1/4" x 3/8" (6 x 10 mm)	60 - 70 sq. ft.

## TECHNICAL DATA

SPEC MIX® TS Mortar is a blend of Portland cement, sand and chemicals. SPEC MIX® TS Mortar meets ANSI A118.1 shear bond strength requirement without the need for additives when mixed with water.

## PHYSICAL PROPERTIES

Test	Test Method	ANSI Specification	Typical Results
28 Days Cure Porcelain Tile	ANSI A118.1 7.2.5	>150 psi	175 - 220 psi
Porcelain Tile Water Immersion	ANSI A118.1 7.2.4	>100 psi	100-200 psi
7 Days Cure Porcelain Tile	ANSI A118.1 7.2.3	>150 psi	150-200 psi
Pot Life			4 Hours
Open Time	ANSI A118.1 5.3	>20 Minutes	Pass

## LIMITATIONS

Do not apply when temperatures are below or may fall below 40°F prior to curing. Proper curing is required; extreme weather conditions will affect cure and performance. Do not add any admixtures without prior consent from E-Z Mix, Inc.

## MIXING INSTRUCTIONS

Choose all appropriate safety equipment before use.

Refer to the Safety Data Sheet for details.

1. Pour about 4.25 to 6.5 qts. (4,73 to 6,15 L) of clean water into a clean mixing container.
2. Gradually add 50 lbs. (22,7 kg) of powder while slowly mixing with an angled cross-blade or double-box mixer.
3. Continue at low-speed to achieve a smooth, paste-like consistency.
4. Let the mixture slake or stand 5-10 minutes.
5. Remix for 1-2 minutes. When properly mixed, troweled ridges will stand without slump

## APPLICATION OF PRODUCT

1. Choose a notched trowel with sufficient depth to achieve greater than 85% mortar contact to both the tile and substrate for all interior applications, and greater than 95% for exterior installations as well as commercial floor and wet applications. It may be necessary to back-butter the tile in order to meet these requirements. Refer to ANSI A108.5 specifications and TCNA Handbook guidelines.
2. With pressure, apply a coat by using the trowel's flat side to key mortar into substrate.
3. Apply additional mortar, combing it in a single direction with the trowel's notched side.
4. Spread only as much mortar as can be tiled before the product skins over. Open time can vary with jobsite conditions.

5. Place the tiles firmly into the wet mortar. Push the tiles back and forth in a direction perpendicular to trowel lines to collapse the mortar ridges and help achieve maximum coverage.
6. Remove excess mortar from the joint areas so that at least 2/3 of the tile depth is available for grouting (see ANSI A108.10 guidelines).

## WARRANTY

The technical information and usage statement are based on our best knowledge. The content of this specification sheet is presented for information purposes only and does not constitute responsibility for their use. The manufacturer will replace only that material which is proven defective due to quality of the components of the manufacturing process.

## CAUTION

Prolonged exposure to dust may cause delayed lung disease. Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Freshly mixed material may cause skin irritation. Avoid direct contact when possible and wash exposed skin areas promptly with water and get prompt medical attention. See Safety Data Sheet.

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For technical support contact:

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**WARNING:** This product can expose you to chemicals including Chromium (hexavalent compounds), which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).