



# Mortar Additive



ADDITIVE FOR NON-MODIFIED MORTARS

Tile Perfect™ Mortar Additive is specifically formulated for use in place of water with any Tile Perfect branded non-modified thin set to provide enhanced performance characteristics.

- Mix with Tile Perfect Floor Mortar for improved flexibility and adhesion
- For interior/exterior installations
- Recommended for porcelain tile
- Meets ANSI A118.4 and A118.11
- Rated for extra heavy commercial traffic

### Warranty

For details about our limited warranties, see your sales associate or [www.hbfuller-cp.com/tp](http://www.hbfuller-cp.com/tp).

### Suitable Substrates

Refer to detailed information on product packages for each thin set or recommended specialty mortar.

### Product Specifications

Description	ANSI Requirement	Typical Results when mixed with Tile Perfect Floor Mortar
28 Day Shear Strength ANSI 118.4 Glazed Wall Tile	> 300 psi (2.1 MPa)	500-600 psi* (3.4-4.1 MPa)
Impervious Ceramic Tile (Porcelain)	> 200 psi (1.4 MPa)	225-300 psi (1.5-2.1 MPa)
Quarry Tile	> 150 psi (1.0 MPa)	350-450 psi (2.4-3.1 MPa)
Sag on Vertical Surfaces	≤ 1/16" (1.6 mm)	1/16" (1.6 mm)
Open Time at Room Temperature	≥ 50 minutes	60-80minutes
Adjustability at Room Temperature	≥ 30 minutes	30-40 minutes
Final Set	9-15 hours	9-15 hours
28 Day Shear Strength ANSI A118.11 Quarry Tile to Plywood	> 150 psi (1.0 MPa)	> 150 psi (1.0 MPa)

\* ANSI-specified glazed wall tile failed at 600 psi (4.1 MPa)

Description	
Physical State	Liquid
Color	White, dries clear
Freeze/Thaw Stability	Freeze/thaw stable. If frozen, thaw and stir before using.

### Limitations

Recommended as a mortar additive only. Do not use Mortar Additive as an admixture for portland cement grouts. Latex-modified mortars should not be used for installing green marble, other moisturesensitive stone tile or resin-backed marble; use a suitable marble mortar. Latex-modified mortars should not be applied when the temperature of the area and substrate to be tiled is below 50°F (10°C) as this delays the curing process.

### Packaging

1.5 gallon (5.68 L) jug

### Surface Preparation

Refer to detailed information on product packages for each thin set or recommended specialty mortar.

### Mixing Instructions

For best results, maintain all tiling materials, substrates, room and adhesives at 50°-70°F (10-21°C) for 24 hours before and 48 hours after installation. Avoid breathing dust and contact with eyes and skin. Avoid using high speed mixing, not to exceed 300 rpm, to prevent entraining air. Add powder to liquid for ease of mixing.

In a clean mixing container, slowly add unmodified mortar to additive as specified in the chart below.

Mortar Size	Amount of Mortar Additive
50 lbs. (22.68 kg)	5-6 qts. (4.7-5.7 L)
For mortar bed applications: 80 lbs. (36.28 kg) of a 3:1 sand/portland mix	4.5-5 qts. (4.2-4.7 L) Gauge to proper working consistency.

Refer to each thin set or recommended specialty mortar for further mixing instructions.

### Application Instructions

Install in accordance with detailed instructions on TEC Skill Set thin set or specialty mortar product data sheets or packages.

### Drying Time

Refer to detailed information on product packages for each thin set or recommended specialty mortar.

### Clean Up

Refer to detailed information on product packages for each thin set or recommended specialty mortar.

### Cautions

FIRST AID MEASURES: In all cases, seek medical attention if symptoms develop or persist. EYES: Flush with water for 20 minutes. SKIN: Wash with soap and water. IF VAPORS INHALED: Remove to fresh air. IF SWALLOWED: Do not induce vomiting. WARNING! This product contains chemicals known to the State of California to cause cancer, birth defects or reproductive harm. KEEP OUT OF REACH OF CHILDREN. For Medical Emergency Information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Tile Perfect brand product(s) under normal environmental and working conditions. Because

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each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

### **Storage/Shelf Life**

Store in cool, dry location. Do not expose to or store in direct sunlight. Freeze/Thaw Stable. Maximum of 18 months from date of manufacture in unopened package.

### **Customer and Technical Services**

#### **Customer support**

Toll Free: 800-832-9002

Fax: 800-952-2368

#### **Technical assistance**

Information is available by calling the Technical Support Hotline.

Toll Free: 800-832-9023

Fax: 630-952-1235



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