



# Type 1 Mastic

FLOOR AND WALL ADHESIVE

Tile Perfect™ Type 1 Mastic can be used for installing ceramic, porcelain, natural stone, quarry and mosaic tile on interior floors and walls. Recommended for floor applications with tile up to 8 in. x 8 in. and wall applications with tile up to 12 in. x 12 in. It meets ANSI A136.1 Type I and II specifications, spreads easily, sets quickly, and is easy to clean up.

- Tile up to 12 in. x 12 in. on walls, 8 in. x 8 in. on floors
- The adhesive is mold and mildew resistant
- Spreads easily
- Easy to use, easy to clean-up
- Freeze thaw stable (3 cycles)
- Can be used on shower walls

### Warranty

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

### Suitable Interior Substrates

Use only on structurally sound interior surfaces such as cured portland cement plaster, gypsum wallboard (walls only), exterior grade plywood (floors only, over two 5/8 in. layers, joists 16 in. on center), Cementitious backer units, fiber cement underlayment, coated glass mat backer board, well cured, moisture tested concrete not subject to dampness or moisture vapor emissions. Installations where concrete is damp or the concrete is subject to moisture vapor emissions can fail.

### Product Specifications

Base	Consistency	Color	Open Time	Weight per Gallon	VOC
Acrylic Latex	Paste	White	20-35 Minutes	12.5 lbs.	8 g/L

### Limitations

- Not for use in conjunction with PVC heating mats or coils, or over polyethylene membranes.
- Not for use over anti-fracture & waterproofing membranes, sheets or mats.
- Not for use on shower floors or pans, in steam rooms, in steam showers, swimming pools, or any place that will receive standing water.
- Not for use for leveling or in excess of trowel recommendations.
- Not for exterior use.
- Not for use where temperature will exceed 120°F.
- Not for use over lauan, MDF, particleboard, or Masonite®. (See **Suitable Substrates.**)  
Masonite is a registered trademark of Masonite Corporation.
- Not for use with green marble, or to install resin backed marble or resin backed aggregate marble. Not for setting any marble over plywood floors or plywood countertops.
- Not for use with glass tile.
- Not for use with lug back floor tile.

- Not for setting ceramic accessories such as towel bars, soap dishes, and grab bars.
- Not to be used underneath most backer boards. (Check manufacturer instructions.)

### Packaging

- 1 gallon plastic pail
- 3.5 gallon plastic pail

### Coverage

Approximate Coverage			
Trowel	1/8 in. x 1/8 in. x 3/32 in. "U" Notch	3/16 in. x 5/32 in. "V" Notch	1/4 in. x 1/4 in. x 1/4 in. Square Notch
Tile Size	Mosaics	Up to 6 in. x 6 in.	Walls: 6 in. x 6 in. to 12 in. x 12 in. Floors: 6 in. x 6 in. to 8 in. x 8 in.--
Coverage per 1 gallon.	70-80 sq. ft.	27-32 sq. ft.	18-23 sq. ft.
Coverage per 3.5 gallon	245-280 sq. ft.	95-112 sq. ft.	63-81 sq. ft.

### Surface Preparation

All surfaces must be clean, dry, free of dirt, dust, grease, oil, loose paint, wallpaper, and residues of old adhesive, or any foreign matter which might impair adhesion where Tile Perfect Type 1 Mastic is spread. Painted enameled walls and floors must be thoroughly scored or sanded to insure a bond to the original base wall or floor. Do not sand any floors or adhesives that are known or suspected to contain asbestos.

**Installations where concrete is damp or the concrete is subject to moisture vapor emissions can fail.**

### Application Instructions

The adhesive, tile, and room should be maintained at a minimum temperature of 60°F for 24 hours prior to installation. The minimum 60°F temperature must be maintained during the entire installation, and for a minimum of 48 hours following.

Use a 3/16 in. x 5/32 in. V-notched trowel for installation of tile up to 6 in. x 6 in. For tiles larger than 6 in. x 6 in., use a 1/4 in. x 1/4 in. x 1/4 in. square-notched trowel. Maximum tile size: for walls is 12 in. x 12 in.; for floors is 8 in. x 8 in.

Only apply the amount of adhesive to surface that can be tiled over in 15 minutes. DO NOT SET TILE IF SKIN HAS FORMED ON THE ADHESIVE. If adhesive skin has formed, remove and re-apply. This time will vary with the temperature, humidity, and the substrate. Apply the adhesive to the substrate first with the flat side of the trowel. Then comb with the notched side of the trowel in one direction. Firmly press tiles into the adhesive and move them perpendicularly across the ridges. Do not

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slide tiles against each other. Periodically remove and check a tile to assure complete coverage.

Cure times will vary with size and porosity of tile and porosity of floor (porcelain tiles take considerably longer to cure), humidity and temperature (cooler temperatures will extend set times). Typical floor installations take longer to cure. No traffic is permitted on tiles prior to curing. Grouting may begin once adhesive is firmly set up. Up to 6 in. x 6 in. wall tiles require wait time of 6 hours or longer. Over 6 in. x 6 in. tile or any floor tile application requires at least 24 - 48 hours. Check to determine readiness by trying to twist the tile and see if it moves. If it does, additional cure time is required. If the tile won't twist but you hear a wet suction sound when the tile is stepped on, additional cure time is also required. The use of Tile Perfect™ brand grouts is highly recommended.

Full cure takes at least 48-72 hours depending on conditions.

For glass tile, refer to manufacturer's specifications. For marble and granite installations, test in an inconspicuous area as discoloration may occur. Most discoloration disappears after 30 days. For proper curing, do not abut marble tiles together.

### Clean Up

While adhesive is still fresh, clean tools, hands, and excess materials from face of tile with warm soapy water.

### 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 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 a cool, dry location - **Indoors only**. Protect from freezing. Adhesive is freeze thaw stable to -10°F. Avoid prolonged or repeated freeze thaw cycles. Should adhesive freeze, allow to thaw at room temperature and stir well before using.

Maximum of 1 year from date of manufacture in unopened package. Bucket good for 6 months after opening. (Re-seal and store in cool, dry location, use within shelf life. Covering with plastic wrap directly on top of product prior to sealing container will help to preserve freshness.)

### 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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