

# Pro Mastic 2000™ (Type 1)

## Premium-Grade, Latex-Based Tile Adhesive

Pro Mastic 2000 is a **premium-grade**, low VOC, non-flammable, extremely creamy and 'true white' latex-based adhesive for setting all types of ceramic tiles over interior wall and residential floor surfaces (maximum floor tile dimensions: 150 x 150 mm [6" x 6"]). Pro Mastic 2000 spreads easily, sets fast and offers an excellent resistance to prolonged water exposure once the product is completely dry.

### Uses

- ◆ Installs up to 300 x 300 mm (12" x 12") tile **WITHOUT SAG!** For larger tiles, use Pro Superlite Mortar™.
- ◆ Use over a wide range of suitable substrates
- ◆ For non-vitreous, semi-vitreous, vitreous and impervious ceramic wall tile installation in shower enclosures, bath surrounds, countertops, back-splashes, etc.
- ◆ For interior residential floor and wall installations
- ◆ Excellent resistance to prolonged water exposure once cured
- ◆ Low VOC
- ◆ Exceeds ANSI A136.1, Type 1 requirements
- ◆ Contributes to LEED® objectives and requirements

### Suitable Substrates

- ◆ Dry, completely cured concrete (at least 28 days old)
- ◆ Concrete and masonry blocks
- ◆ Cement backer units (CBU)
- ◆ Cementitious screeds, rendering, levelling coats and mortar beds
- ◆ Gypsum wallboard (INTERIOR dry areas only)
- ◆ Double layered EXTERIOR Grade Douglas Fir Plywood, certified CANPLY (SELECT) or (SEL-TF) CSA 121, minimum 32 mm (1 ¼") total thickness, for INTERIOR Residential Light -duty Floors and countertops, in dry areas only
- ◆ Existing unglazed ceramic tiles (interior applications) \*

\*With adequate prior preparation as indicated in PROMA's "SURFACE PREPARATION GUIDELINES"

### Packaging

1 L (1 US qt) pail; 4 L (1.05 US gal) pail; 13,25 L (3.5 US gal) pail

LOW VOC

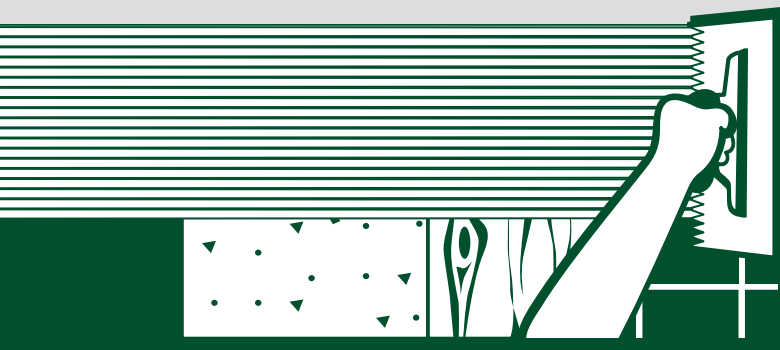


### Limitations

- ◆ Do not use for EXTERIOR installations.
- ◆ Do not use at temperatures below 10°C (50°F) or above 35°C (95°F).
- ◆ Do not apply directly over particleboard, chipboard, presswood, Luan, masonite, OSB, Gypsum-based levelling and patching compounds and all dimensionally unstable or non-recommended substrate materials such as metal or epoxy-resin floors.
- ◆ Do not use for the installation of green marble and other moisture sensitive stones that react to standard cement mortars and setting materials containing water. Instead, for setting these stones use **EXCLUSIVELY** Pro Grout Xtreme™ or Pro Seal & Set™ (see the respective technical data sheets). For the installation of White, Pastel or Translucent marble, use instead a WHITE polymer-modified thin-set mortars such as Pro Superlite Mortar.
- ◆ Do not use for installing glass tiles. For such installation, set tiles instead with either a mixture of Pro Bond™ and Pro Bond Plus™ additive, Pro HPX™ Mortar or with Pro Superlite Mortar (see respective technical data sheets for details).
- ◆ **Do not use for installing impervious porcelain or low absorption ceramic tiles over an existing ceramic tile or other impervious substrates such as Pro MBR™ Membrane. Use Pro Superlite Mortar instead. (See the respective technical data sheet)**
- ◆ Do not use for installations submitted to prolonged water contact, immersion or high humidity level (e.g. pools, gang showers, fountains, steam rooms, spas, etc.) In such cases, set tiles instead with a mixture of Pro Bond and Pro Bond Plus additive, Pro Quick and Pro Quick Plus additive or Pro HPX™ Mortar (see respective technical data sheets for details).
- ◆ Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.

### Surface Preparation *(Refer to Proma Surface Preparation Guidelines for complete details)*

- ◆ All supporting surfaces must be structurally sound, solid, stable, plumb, level and true to a maximum variation of ¼" in 10'-0" (6 mm in 3 m) from the required plane and no more than 1/16" in 12" (2 mm in 305 mm) when measured from the high points in the surface in accordance with ANSI A108.01 Specifications requirements.
- ◆ Surfaces must be clean and free of dust, oil, grease, paint, tar, wax, curing agent, primer, sealer, form release agent or any deleterious substance and debris which may prevent or reduce adhesion.
- ◆ Acids, concentrated alkaline conditions and cleaning chemical residues must be neutralized or removed.
- ◆ All concrete substrates must be completely cured (at least 28 days old), solid, sound, slightly textured and have a direct tensile cohesive strength greater than 1.2 MPa (175 psi) when tested in accordance with ACI 503 R – (Appendix A) procedure.
- ◆ On grade or below grade concrete slabs must be installed over an effective vapor barrier.
- ◆ All concrete substrates must be dry and free of hydrostatic conditions and/or extreme moisture problems. Perform a calcium chloride moisture emission test (ASTM F-1869) on the concrete substrate before proceeding with the installation of the floor.
- ◆ Smooth concrete substrate surfaces must be mechanically roughened in accordance with an engineer-approved procedure (Shot-blasting, scarification, grinding, sand or water-blasting, etc) to completely remove all paint, loosely bonded toppings, loose particles and contaminants and to provide sufficient surface texture and profile for the adequate bonding of the subsequent levelling and/or tile setting mortar products.
- ◆ For ceramic and porcelain tiles up to 30 x 30 cm (12"x 12"), the structural design of the substrate must not allow a deflection greater than L/360 when tested to 136 kg (300 lb) concentrated loads in accordance with ASTM C627 Standard test method.



CONCRETE

EXTERIOR-GRADE  
PLYWOOD

EXISTING  
TILE



# Pro Mastic 2000™ (Type 1) continued

## Mixing

None required. This product is ready for use as is.

## Application

1. Spread adhesive with the recommended notch trowel.
2. IMMEDIATELY AS YOU GO (without delay) and before drying occurs, apply a sufficient adhesive layer and, using the notched side of the trowel, ridge in a straight-line directional pattern to achieve an even spread. For walls, maintain ridges running in a horizontal directional pattern.
3. Do not spread more adhesive than can be covered with tiles within 20-40 minutes (or 20-32 sq. ft. [2-3 m<sup>2</sup>]).
4. If the adhesive dries or skins-over, it must be removed and replaced with fresh adhesive.
5. Place tiles firmly with a slight back and forth motion across ridges and tamp tiles repeatedly to achieve at least an 85% adhesive contact with the tile back.
6. Tiles should be embedded in the adhesive to at least 1/3 of their thickness.
7. Remove excess adhesive from grout space and wipe-off blotches and smears immediately while adhesive is fresh.

## Expansion and Control Joints

- ◆ Install control joints where tiles abut restraining surfaces, around the perimeter of the work and at the base of columns and curbs.
- ◆ Install and space expansion and control joints in all directions in accordance with TCNA HANDBOOK FOR CERAMIC TILE INSTALLATION Detail #EJ-171 recommendations, or TTMAC Specification Guide 09 30 00 Detail #301-MJ recommendations. CAUTION: DO NOT cut EXPANSION JOINTS in after the tiles have been installed. Install tiles normally and stop when the control joint location is reached. Cut the tile if required and resume setting from the opposite side of the joint. Before proceeding further, rake the joint and leave the tile and joint space clean.
- ◆ DO NOT FILL EXPANSION JOINT SPACE UNTIL GROUTING IS COMPLETED on the remainder of the job.
- ◆ Install a suitable industry-approved compressible bead and flexible sealant to caulk expansion and control joints. Follow the sealant manufacturer's installation instructions.

## Curing and Grouting

- ◆ Do not step on floors and protect area from foot traffic for at least 24 to 48 hours, depending on temperatures and humidity conditions. If low absorption tiles are used, 48 hours or more could be required for drying.
- ◆ Protect walls from water contact, impact and vibration for at least 72 hours.
- ◆ Allow at least 24 hours from installation before grouting tiles.

**Note:** Extended protection and downtime requirements before grouting may be required depending on temperature and humidity conditions and on the porosity and size of the tile being installed.

## Warranty

Prima warrants that this product is manufactured using quality raw materials and is of merchantable quality and suitable for the purpose for which it was intended. Prima's liability under this warranty shall be limited to the replacement of its product proven to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use of/or the inability to use this product.

### Technical Data for Pro Mastic 2000 (@ 23°C [73°F] and 50% RH)

|                                       |               |
|---------------------------------------|---------------|
| <b>Open time:</b> .....               | 1 hour        |
| <b>Drying time:</b> .....             | 24-48 hours   |
| <b>Adjustability:</b> .....           | 40-50 minutes |
| <b>Specific gravity (g/ml):</b> ..... | 1.3           |
| <b>pH:</b> .....                      | 7-9           |
| <b>VOC content:</b> .....             | 54 g/L        |
| <b>Color:</b> .....                   | True white    |

#### Approximate coverage per 1 L [1 U.S. qt] pail

|  |  |
|--|--|
| Notched trowel .....                           | Coverage                                 |
| 5 mm (3/16") v-notch trowel .....              | 1.3 m <sup>2</sup> (14 pi <sup>2</sup> ) |
| 6 x 6 x 6 mm (1/4" x 1/4" x 1/4") trowel ..... | 0.7 m <sup>2</sup> (8 pi <sup>2</sup> )  |

#### Approximate coverage per 4 L [1.05 U.S. gal] pail

|  |  |
|--|--|
| Notched trowel .....                           | Coverage                                 |
| 5 mm (3/16") v-notch trowel .....              | 5.2 m <sup>2</sup> (56 ft <sup>2</sup> ) |
| 6 x 6 x 6 mm (1/4" x 1/4" x 1/4") trowel ..... | 2.8 m <sup>2</sup> (30 ft <sup>2</sup> ) |

#### Approximate coverage per 13.25 L [5 U.S. gal] pail

|  |  |
|--|--|
| Notched trowel .....                           | Coverage                                     |
| 5 mm (3/16") v-notch trowel .....              | 17.2 m <sup>2</sup> (185.5 pi <sup>2</sup> ) |
| 6 x 6 x 6 mm (1/4" x 1/4" x 1/4") trowel ..... | 9.3 m <sup>2</sup> (106 pi <sup>2</sup> )    |

#### Shelf life

12 months if kept in its original unopened packaging and stored in a dry location.

#### Protect from freezing

#### Health and Safety

Refer to the Material Safety Data Sheet (MSDS) for complete details.

## Contact Information

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09 31 00  
THIN-SET TILING

SETTING MATERIALS / ADHESIVES  
Pro Mastic 2000