



# PRO MASTIC™ 1000

## 2. MANUFACTURER

### PROMA ADHESIVES Inc.

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## 3. PRODUCT DESCRIPTION

PRO MASTIC 1000 is a **professional-grade**, non-flammable, latex-based adhesive specially formulated for **sag-free** installations of ceramic tiles on interior walls up to 300 x 300 mm (12" x 12"). The adhesive can also be used to install ceramic tile on floors up to 150 x 150 mm (6" x 6") [interior, residential applications only]. PRO MASTIC 1000 spreads easily, sets fast and offers good resistance to prolonged water exposure once the product is completely dry.

### Features

- ◆ Install ceramic tiles up to 12" x 12" (30 x 30 cm) on walls **WITHOUT SAG**, and up to 6" x 6" (15 x 15 cm) on floors. For larger tiles, use PRO SUPERLITE MORTAR™ (see respective data sheet)
- ◆ For non-vitreous, semi-vitreous, vitreous and impervious ceramic wall tile installation in shower enclosures, bath surrounds, countertops, back-splashes, etc.
- ◆ For interior residential wall and floor applications
- ◆ Good resistance to prolonged water exposure once cured
- ◆ Meets ANSI A136.1, Type 1 requirements
- ◆ Contributes to LEED® objectives and requirements

### Packaging

13.25 L (3.5 US gal) pail; 18.9 L (5 US gal) pail



### Suitable Substrates

- ◆ Dry, completely cured concrete (at least 28 days old)
- ◆ Concrete and masonry blocks
- ◆ Cement backer units (CBU)
- ◆ Cementitious screeds, rendering, leveling 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 1/4") total thickness, for INTERIOR Residential Light -duty Floors and countertops, in dry areas only



Concrete

Exterior-Grade Plywood



## Limitations

- ◆ Do not use at temperatures below 10°C (50°F) or above 35°C (95°F).
- ◆ Do not apply directly over particleboard, chipboard, presswood, Lauan, masonite, OSB, Gypsum-based leveling and patching compounds and all dimensionally unstable or non-recommended substrate materials.
- ◆ 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™ 100 NS (see the respective technical data sheet for more details). For the installation of white, pastel or translucent marble, use only WHITE polymer-modified thinset mortars such as PRO SUPERLITE MORTAR™ (see respective technical data sheet for more details).
- ◆ Do not use for installing glass tiles. For such installation, set tiles instead with PRO HPX® or PRO SUPERLITE MORTAR (see respective technical data sheets for more details). **Note:** If the glass tile has an epoxy finish backing and no synthetic mesh, set tiles exclusively with PRO GROUT XTREME™ White (see respective technical data sheet).
- ◆ **Do not use for installing impervious porcelain or low absorption ceramic tiles over impervious substrates such as PRO MBR XD™ membrane. Use PRO SUPERLITE MORTAR™ instead (see respective technical data sheet for details).**
- ◆ Do not use for installations submitted to prolonged water contact or immersion (such as pools, fountains, steam rooms and spas). In such cases, set tiles instead with either a mixture of PRO BOND™ and PRO BOND PLUS™ additive; or with PRO HPX® or PRO P-151 RAPID™ (see respective technical data sheets for details).
- ◆ Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.

## 4. TECHNICAL DATA

### Applicable Standards

For Additional Information, please refer to the most recent TCNA handbook for ceramic tile installation or the TTMAC Specification Guide 09 30 00 Tile Installation Manual, or visit our website at [www.proma.ca](http://www.proma.ca).

WORKING PROPERTIES (@23° C [73° F] and 50% RH)	
Open time	≥ 30 minutes
Drying time	24-48 hours
Adjustability	40-50 minutes

PHYSICAL PROPERTIES (@23° C [73° F] and 50% RH)	
Specific gravity	1.4 g/mL
pH	8-9
VOC content	113.6 g/L
Color	White
Approximate coverage per 13.25 L (3.5 US gal) pail	
Notched trowel	Coverage
5 mm (3/16") [v-notch]	185.5 ft <sup>2</sup> (17.2 m <sup>2</sup> )
6 x 6 x 6 mm (1/4" x 1/4" x 1/4")	106 ft <sup>2</sup> (9.8 m <sup>2</sup> )
Approximate coverage per 18.9 L (5 US gal) pail	
Notched trowel	Coverage
5 mm (3/16") [v-notch]	265 ft <sup>2</sup> (24.6 m <sup>2</sup> )
6 x 6 x 6 mm (1/4" x 1/4" x 1/4")	151 ft <sup>2</sup> (14 m <sup>2</sup> )
Shelf life	
24 months if kept in its original unopened packaging and stored in a dry location. <b>Protect from freezing.</b>	

## 4. INSTALLATION

### Surface Preparation

(Refer to PROMA Surface Preparation Guidelines for complete details)

**Note: PRO SUPERPRIME 1C™ or PRO SUPERPRIME™ can be used to ready nearly any surface for PROMA setting materials without the need for scarifying or shotblasting, saving valuable time and money (see respective technical data sheet for details).**

- ◆ All supporting surfaces must be structurally sound, solid, stable, level, plumb and true.
- ◆ 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) and slightly textured.
- ◆ 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 either PRIMED with PRO SUPERPRIME or PRO SUPERPRIME 1C primer **OR** mechanically roughened in accordance with an engineer-approved procedure (shotblasting, scarification, grinding, sand or water-blasting, etc) to provide sufficient surface texture and profile for adequate bonding of the product.
- ◆ For ceramic and porcelain tiles up to 30 x 30 cm (12" x 12"), the structural design of the wood 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.

**Note:** Do not overheat floors or basement during cold season construction. These conditions could cause the product to cure too rapidly and affect its performance.

## 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 mortar than can be covered with tiles within 20-40 minutes.
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% mortar 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 24-48 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.

## Cleaning

Clean tools and hands with water while the product is still fresh.

## Health and Safety

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

## 6. AVAILABILITY AND COST

PROMA products are widely available in Canada and the Northeast United States. To find a distributor of PROMA products, call **toll-free: 1.866.51.PROMA (77662)**.

## 7. WARRANTY

PROMA 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. PROMA'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.

## 8. MAINTENANCE

Product requires no special maintenance. Do not leave without floor covering or exposed as a resurfacing material.

## 9. TECHNICAL SERVICE

For more detailed information on this product, please contact our technical department for proper recommendations and job field assistance. **Toll-free: 1.866.51.PROMA (77662)**.

## 10. FILING SYSTEM

Additional information is available upon request, or by visiting [www.proma.ca](http://www.proma.ca).



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