



PRO MASTIC 1000™ (ANSI A136.1, Type 1)



2. MANUFACTURER

PROMA ADHESIVES Inc.

9801, Parkway, Anjou, Quebec Canada H1J 1P3
Tel.: 514.852.8585
Fax: 514.852.8225
Toll-free: 1 866.51.PROMA (77662)
Email: info@proma.ca
Web: www.proma.ca

3. PRODUCT DESCRIPTION

PRO MASTIC 1000™ is a contractor-grade, low VOC, 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 1000™ spreads easily with an extended open time, is non-flammable, ready-to-use, slip-resistant and offers good resistance to prolonged water contact once the product is completely dry. PRO MASTIC 1000™ contributes valuable points toward LEED® objectives and requirements.

Features

- ♦ Use for slip-free vertical installations of tile up to 300 x 300 mm (12" x 12"); 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 light-commercial and residential wall and floor applications
- ♦ Excellent adhesive transfer to tile
- ♦ Good resistance to prolonged water exposure once cured
- ♦ Will not promote mold, mildew or bacteria growth
- ♦ Very low odor
- ♦ Low VOC
- ♦ Freeze/thaw stable
- ♦ Meets ANSI A136.1, Type 1 requirements
- ♦ Contributes to LEED® objectives and requirements

Packaging

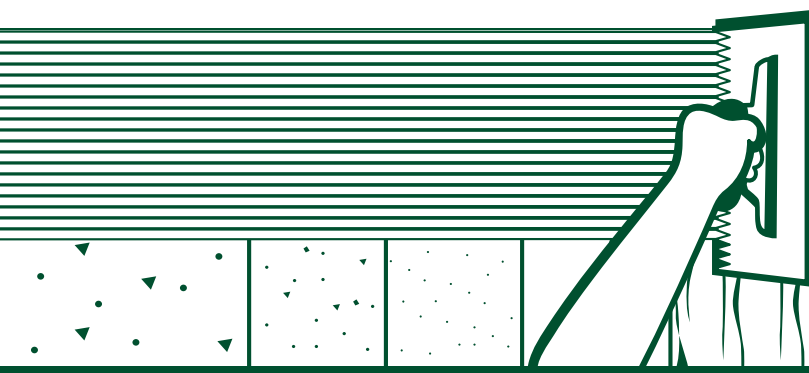
13.25 L (3.5 US gal) pail; 18.9 L (5 US gal) pail

Suitable Substrates

- ♦ Dry, completely cured concrete
- ♦ Concrete and masonry blocks
- ♦ Cement backer units (CBU)
- ♦ Cementitious screeds, rendering, leveling coats and mortar beds
- ♦ Gypsum wallboard (INTERIOR dry areas only)
- ♦ Coated glass mat backer board
- ♦ 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

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, Lauan, masonite, OSB, Gypsum-based leveling and patching compounds or any dimensionally unstable 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 the installation of White, Pastel or Translucent marble, use instead a WHITE polymer-modified thin-set mortar such as PRO SUPERLITE™ MORTAR (see respective data sheet).
- ♦ Do not use for installing glass tiles. For such installation, set tiles with either PRO SUPERLITE™ MORTAR or PRO HPX™ (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 or PRO HPX™ instead (see respective technical data sheet for details).**
- ♦ Do not use for heavy-commercial or industrial floor applications.
- ♦ Do not use for steam room, shower floors or for installations submitted to water immersion (e.g. pools, fountains, spas, etc.) In such cases, set tiles instead with a mixture of PRO BOND™ and PRO BOND PLUS™ additive, or PRO QUICK™ and PRO QUICK PLUS™ additive, or PRO HPX™ (see respective technical data sheets for details).
- ♦ Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.



Concrete

Cement
Backer
Units (CBU)Coated
Glass Mat
Backer BoardGypsum
WallboardExterior-Grade
Plywood



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.

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)		
VOC content (g/L)	45	
Specific gravity (g/ml)	1.3	
pH	7-9	
Freeze/thaw stability	-12°C (10°F)	
Shear strength requirement (ANSI A136.1)		
	ANSI requirement	Result
5.2.1 Dried @ 50°C (122°F)	≥0.34 MPa (50 psi)	Pass
5.2.2.1 Extended water immersion (Type 1)	≥0.34 MPa (50 psi)	Pass
5.2.3 Dried @ 23°C (73°F)	≥0.34 MPa (50 psi)	Pass
Color	white	
Approximate coverage per 13.25 L (3.5 US gal) pail		
Notched trowel	Coverage	
5 mm (3/16") v-notch trowel	17.2 m ² (185.5 ft ²)	
6 x 6 x 6 mm (1/4" x 1/4" x 1/4") square-notch trowel	9.3 m ² (106 ft ²)	
Approximate coverage per 18.9 L (5 US gal) pail		
Notched trowel	Coverage	
5 mm (3/16") v-notch trowel	24.5 m ² (265 ft ²)	
6 x 6 x 6 mm (1/4" x 1/4" x 1/4") square-notch trowel	13.3 m ² (151 ft ²)	
Shelf life		
12 months if kept in its original unopened packaging and stored in a dry location.		

5. INSTALLATION

Surface Preparation

(Refer to PROMA Surface Preparation Guidelines for complete details)

- All supporting surfaces must be structurally sound, solid and stable.
- 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 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.
- Non-porous concrete surface must be mechanically roughened in accordance with an engineer-approved procedure (shot-blasting, 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 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.

Mixing

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

PROTECT FROM FREEZING. Freeze/thaw stable to -12°C (10°F). If frozen, slowly bring product back to room temperature before use.

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.
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 85% adhesive contact with the tile back. Lift a tile periodically to check that proper adhesive transfer is being achieved.
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. More time may be required depending upon ambient temperature and humidity conditions, substrate and tile porosity, and when larger tiles are used.

Cleaning

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

Health and Safety

Refer to the Material Safety Data Sheet (MSDS) 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.





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