



# PRO 9000™

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

PRO 9000 is a ready-to-use, high-performance, solvent-free, lowVOC, water-free polyurethane adhesive specially formulated for easy and successful installation of most types of wood and bamboo flooring. PRO 9000 can also be used to install approved sound reduction acoustic rubber underlayment. The adhesive is easy to trowel with high initial green grab and bond strength and remains elastic, allowing wood to expand and contract without compromising the adhesive or bond.

### Features

- ◆ Easy to trowel
- ◆ High initial green grab and bond strength
- ◆ Remains elastic allowing wood to expand and contract
- ◆ Use for installing solid hardwood flooring and prefinished and unfinished wood parquet flooring
- ◆ Use for installing engineered wood plank flooring, acrylic-impregnated wood and laminated plank flooring
- ◆ Use for installing bamboo flooring
- ◆ Use for installing approved sound reduction acoustic rubber underlayment
- ◆ Use for permanent glue-down installations of plywood sub-floors over concrete
- ◆ Can be used to install ceramic or stone tile inlays
- ◆ Contains no water
- ◆ Low VOC
- ◆ Low odor
- ◆ Non-flammable
- ◆ Contributes to LEED® objectives and requirements

### Packaging

15 L (4 US gal) pail

### Suitable Substrates

- ◆ Dry, completely cured concrete (at least 28 days old)
- ◆ Concrete and masonry blocks
- ◆ Cement backer units (CBU)
- ◆ Cement patching and leveling compounds
- ◆ Gypsum-based underlayment (minimum 13.8 MPa [2,000 psi] for engineered flooring and 17.2 MPa [2,500 psi] for solid hardwood and bamboo flooring)
- ◆ Cement terrazzo
- ◆ Well-bonded vinyl composition tile (VCT) free of wax and with an embossing leveler such as PRO PATCH™ with PRO PATCH LIQUID™\*
- ◆ Properly prepared and well-bonded vinyl sheet goods\*
- ◆ Underlayment-grade particle or chipboard
- ◆ Wood, such as APA grade plywood
- ◆ Well-bonded, well prepared existing ceramic tiles
- ◆ Radiant-heat flooring
- ◆ PRO BLOCK MMS™ epoxy-based moisture management system

\* See "Limitations."



When used as a system with other PROMA products



### Limitations

- ◆ For interior installations only.
- ◆ Do not use at temperature below 10°C (50°F) or above 32°C (90°F).
- ◆ Do not use this adhesive to install any type of wood flooring that is not recommended by its manufacturer to be "glued-down".
- ◆ Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.
- ◆ Do not install over concrete with a moisture vapor emission rate greater than 5 lbs per 1,000 square feet per 24 hours (per ASTM F1869) and up to 80% RH (per ASTM F2170), or a pH of 9.0 and higher.
- ◆ Do not install over gypsum surfaces with a compression strength less than 13.8 MPa (2,000 psi) for engineered flooring and 17.2 MPa (2,500 psi) for solid hardwood and bamboo flooring.
- ◆ Do not install over substrates with dust, dirt, grease, curing compounds, adhesive residue including cutback, or any other deleterious material, which could reduce adhesion.
- ◆ Do not store at extreme temperature (hot or cold) and protect from freezing under -12°C (10°F).
- ◆ Do not use to install foam-backed parquet.
- ◆ Do not install dimensionally unstable wood such as solid hardwood or bamboo over existing sheet vinyl or VCT.





4. TECHNICAL DATA

| WORKING PROPERTIES (@23° C [73° F] and 50% RH) |  |
|--|--|
| Application temperature range                  | 50°F (10°C) - 90°F (32°C)                                      |
| Open time                                      | 90 minutes   |
| Cure time                                      | Light foot traffic: 8-10 hours<br>Heavy foot traffic: 24 hours |

| PHYSICAL PROPERTIES (@23° C [73° F] and 50% RH)  |  |
|--|--|
| VOC content  | < 5 g/L                                    |
| Odor   | Very low                                   |
| Color  | Brown                                      |
| Flash point  | > 93°C (200°F)                             |
| Tensile strength (remove shear bond strength)  | 2.06 MPa (300 psi)                         |
| Elongation   | > 100%                                     |
| Lap shear  |  |
| Oak to concrete  | 1.06 MPa (155 psi)                         |
| Approximate coverage per 15 L (4 US gal) pail  |  |
| Flooring thickness   | Coverage                                   |
| 6 mm – 9 mm (1/4" – 3/8")  |  |
| 5 x 4 mm (3/16" x 5/32") v-notch trowel  | 18.6 m <sup>2</sup> (200 ft <sup>2</sup> ) |
| 9 mm – 16 mm (3/8" – 5/8")   |  |
| 6 x 3 x 6 mm (1/4" x 1/8" x 1/4") square-notch trowel  | 14.9 m <sup>2</sup> (160 ft <sup>2</sup> ) |
| > 16 mm (5/8")   |  |
| 6 x 6 x 6 mm (1/4" x 1/4" x 1/4") square-notch trowel  | 11.1 m <sup>2</sup> (120 ft <sup>2</sup> ) |
| Shelf life   |  |
| 12 months if kept in its original unopened packaging and stored in a dry location. Protect from freezing under -12°C (10°F). |  |

5. INSTALLATION

Surface Preparation

Note: Improper surface preparation is the most common reason for failure of glue down wood flooring. Surface preparation is especially critical when installing less stable products such as solid hardwood or bamboo flooring. Cut-back adhesive residues should be completely removed prior to the installation of these less stable products.

- All supporting surfaces must be structurally sound, solid, stable, level, plumb, level and true to a tolerance in plane of 1/4" in 10'-0" (6 mm in 3 m) in accordance with ANSI A108 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 leveling and/or tile setting mortar products.

- Gypsum-based underlayments must be have a minimum compression strength of 13.8 MPa (2,000 psi) for engineered flooring and 17.2 MPa (2,500 psi) for solid hardwood and bamboo flooring.
- If installing over existing sheet vinyl or VCT, all waxes and sealers must be completely removed and the existing flooring must be well bonded. Installations over existing sheet vinyl or VCT are limited to dimensionally-stable engineered wood flooring only.
- If installing over existing ceramic tile, all waxes and sealers must be completely removed. Highly reflective tile should be lightly abraded with a sanding disk to improve adhesion.
- Turn radiant-heat flooring off during installation and for 72 hours after installation.

Mixing

No mixing is required. This product is ready to use as is. If there is a layer of cured adhesive in the container, simply remove it with a utility knife and discard.

Application

FLOORING INSTALLATION

Refer to flooring manufacturer's product instructions and relevant industry standards, requirements and procedures concerning site conditioning, substrate preparation, materials handling and installation.

Note: Flooring, adhesive, sub-floor preparation products and substrates should be acclimated and maintained at normal room temperature (23°C [73°F]) for a period of at least 24 hours before installation, during installation, and 48 hours after installation.

- Select the appropriate notched trowel for the type of flooring that you are installing.
- Apply adhesive evenly over the substrate and lay flooring material immediately into "wet" adhesive obtaining a minimum of 80% adhesive transfer to the back of engineered flooring and 95-100% adhesive transfer to the back of solid wood and bamboo flooring. Roll rubber floor coverings immediately after installation with a 40.8 kg (90 lb) roller.
- Note: Open time of the adhesive will vary according to the temperature and humidity level. Do not set flooring into adhesive that has a dry skin.
- Immediately wipe off wet adhesive smudges and excess adhesive from the surface during installation with a soft cloth and mineral spirits while adhesive is wet. Do not allow adhesive to cure on the flooring surface, as the cured adhesive will be difficult to remove. Use PRO DECAP-U™ to remove cured adhesive from prefinished flooring (see respective technical data sheet for details).
- Protect flooring from light foot traffic for 8 to 10 hours and heavy foot traffic for 24 hours. Wait at least 48 hours before finishing an unfinished wood floor.

GLUE-DOWN INSTALLATION OF PLYWOOD SUB-FLOORS

- Use 15 mm (16 mm) (19/32" [5/8"]) or better plywood sub-floor panels.
- Cut panels into 61 x 20 cm (2' x 8") or 122 x 122 cm (4' x 4') sections. Score the backside of each panel every 31 cm (12") in both directions.
- Apply PRO 9000 to the sub-floor using a 6 x 6 x 6 mm (1/4" x 1/4" x 1/4") square-notch trowel, then lay panel sections into the adhesive in a staggered joint pattern with 3 mm (1/8") of space between the panels and 19 mm (3/4") space around the perimeter and around vertical obstructions.

Cleaning

Promptly clean tools and hands with mineral spirit while the adhesive is fresh. Use PRO DECAP-U™ to remove cured adhesive from prefinished flooring (see respective technical data sheet for details).

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.

## **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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