

Pro 9000™



Single Component Solvent-Free Urethane Adhesive for Wood and Rubber Flooring Installation

Pro 9000 is a ready-to-use, high-performance, solvent-free, low VOC, moisture-cure urethane adhesive specially formulated for easy and successful installation of rubber flooring and most types of wood flooring. (Refer to the wood flooring manufacturer's setting instructions, limitations and guidelines). Pro 9000 is easy to trowel with high initial grab and bond strength. Pro 9000 also has good elongation remaining flexible, and is resistant to water and moisture once cured.

Features

- ◆ Easy to trowel
- ◆ High initial grab and bond strength
- ◆ Good elongation - remains flexible
- ◆ Resistant to water and moisture once cured
- ◆ Use for the installation of solid hardwood flooring and prefinished or unfinished wood parquet flooring
- ◆ Use for installing engineered wood plank flooring, acrylic-impregnated wood and laminated plank flooring
- ◆ Use to install rubber flooring
- ◆ Contributes to LEED® objectives and requirements

Suitable Substrates

- ◆ Dry, fully cured concrete (at least 28 days old)
- ◆ Cementitious backer units (ANSI A118.9)
- ◆ Masonry and concrete blocks
- ◆ EXTERIOR Grade Plywood (strictly for interior residential floor installation, dry areas only)
- ◆ OSB panels (exterior type marine OSB)
- ◆ Existing rubber flooring *
* Properly recognized, approved and prepared)

Packaging

18.9 L (5 U.S. gal) pail

Limitations

- ◆ Do not use for exterior installation.
- ◆ Do not use when the ambient and/or substrate temperatures are below 10°C (50°F) or above 35°C (95°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 install rubber or wood flooring directly over concrete slabs in high moisture or high water table areas because of the wicking properties of concrete that may cause adhesion failure or mould growth. In all cases, the moisture vapour emission of the substrate must not exceed 1.36 kg per 93 m² (3lb. per 1 000 sq. ft.) per 24 hours when tested with the calcium chloride tester (ASTM F-1869). If higher, use Pro Prime MB (see technical data sheet).
- ◆ Do not use this adhesive for surface preparation, levelling and patching. When such substrate preparation is required, use the appropriate PROMA levelling and/or patching product. [Refer to PROMA ADHESIVES INC Product catalogue for complete details and recommendations].

Surface Preparation

(Refer to Proma Surface Preparation Guidelines for complete details)

- ◆ All supporting surfaces must be structurally sound, solid, stable, level, plumb, level and true to a tolerance in plane of ¼" 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.

Mixing

Ready-to-use. No mixing required. Just remove the container lid and spread the adhesive.

Open Time

At room temperature, (± 23°C [73°F]) the open time of this adhesive may vary between 2 to 3 hours depending upon its amount of exposure to moisture.

Application

NOTE: Refer to the Rubber-Flooring Manufacturer's and/or the Wood Flooring Manufacturer's Product Instructions and the relevant industry standards as to the requirements and procedures concerning site conditioning, substrate preparation and materials handling, conditioning and installation.

Do not spread more adhesive than can be covered with wood or floor covering within 3 hours.

All Rubber floor-covering, Wood flooring, Adhesive, Sub-floor Preparation Products and Substrate should be acclimatized 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.

WET LAY METHOD

- ◆ Determine the starting point and snap a chalk line. Attach a straight edge along the line to prevent the wood flooring or rubber floor covering from moving off of the starting line.
- ◆ Apply the adhesive with the recommended trowel/spreader and immediately, install the wood flooring or the rubber floor covering into the wet adhesive. (For the rubber covering, roll on immediately after with a 90 pound roller).
- ◆ To reduce slippage, secure the first two starter rows with finishing nails or sprig nails.



Pro 9000™ (continued)

Application (continued)

- ◆ Set the remaining wood planks by pressing them firmly into the adhesive. Planks that are not completely flat should be weighted for several hours to ensure adequate contact while the adhesive is drying.
- ◆ While using this “wet lay” method, do not walk on top of or work from the top of the flooring that was just installed. Working in small sections at a time makes installation easier as it allows reaching across the adhesive to install the wood flooring more conveniently and adequate adhesive transfer without the need of additional weight.

FLASH TIME METHOD

- ◆ Determine the starting point and snap a chalk line. Attach a straight edge along the line to prevent the wood flooring from moving off of the starting line.
- ◆ Apply the adhesive with the recommended trowel and allow the adhesive to flash for + 30 minutes prior to applying the wood flooring to the adhesive.
- ◆ Start laying the wood flooring from the starting point along the chalk line towards the centre of the field
- ◆ Working in small sections at a time will ensure proper adhesive transfer to the back of the wood flooring.
- ◆ Provide proper expansion gaps at floor/wall intersections, along bases and curbs and around columns and conduit openings.
- ◆ Upon completion of each enclosed area, wedge the wood flooring so that it remains tight while the adhesive dries and cures. Remove and discard the wedges after the adhesive has cured to allow the floor to have room for normal expansion and contraction.

Cleanup

- ◆ As the pre-finished wood flooring or rubber floor covering is being installed, immediately wipe-off wet adhesive smudges and excess adhesive from the surface with soft cloth and mineral spirit while adhesive is wet.
- ◆ Do not allow adhesive to cure on the flooring surface, as cured adhesive is difficult to remove.
- ◆ Promptly clean tools and hands with mineral spirit while the adhesive is fresh.

Expansion and Control Joints

- ◆ Install control joints where wood or rubber abut restraining surfaces, around the perimeter of the work and at the base of columns and curbs.
- ◆ Install a suitable industry-approved compressible bead and flexible sealant to caulk expansion and control joints. Follow the sealant manufacturer’s installation instructions.

Protection

Note: Generally, at room temperature and 50% RH conditions, the adhesive will dry to its ultimate strength in 24 to 48 hours.

- ◆ When using the wet lay method, do not walk on the floor during the installation.
- ◆ Protect floors from light foot traffic for at least 8 to 12 hours and general traffic for at least 24 hours.
- ◆ Wait at least 2 days after installation before finishing an unfinished Wood floor.

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.

Technical Data for PRO 9000 (@ 23°C [73°F] and 50% RH)

Application temperature:	10°C to 38°C (50°F to 100°F)
Open time	Between 2-3 hours
Skin time, 3 mm (1/8") thick:	1-2 hours
Full cure, 3 mm (1/8") thick:	24 hours
Viscosity:	50,000 – 75,000 cps
Specific gravity:	1.5
Color:	Tan
Flammability, ASTM E-84:	25 (Flame Spread Index)
Flash Point, TCC:	71°C (160°F)
Odor:	Mild
VOC Content	85 g/L
Peel Adhesion (dry)	
To Plywood.....	18 piw, Plywood failure
To Concrete.....	26 piw, Concrete failure
Peel Adhesion (wet)	
To Plywood.....	18 piw, Plywood failure
To Concrete.....	26 piw, Concrete failure
Tensile strength	1.51 MPa (220 psi)
Elongation at break	150%
Shear strength to concrete	
19 mm (3/4") Plywood.....	1.93 MPa (280 psi), plywood failure
19 mm (3/4") Oak.....	1.93 MPa (280 psi), concrete failure
8 mm (5/16") Marquetry.....	1.93 MPa (280 psi), concrete failure
Approximate coverage per 18,9 L (5 U.S. gal) pail	
<u>Parquet; Marquetry; Rubber</u>	
Notched trowel.....	Coverage
3 mm x 3 mm x 3 mm (1/8" x 1/8" x 1/8") square-notch trowel.....	7.5 m ² (80 ft ²)
<u>Solid Plank</u>	
Notched trowel.....	Coverage
6 mm x 6 mm x 6 mm (1/4" x 1/4" x 1/4") square-notch trowel.....	3.7 m ² (40 ft ²)
5 mm x 4 mm (3/16" x 5/32") V-notch trowel.....	4.1 m ² (45 ft ²)
<u>Engineered Wood; Laminated Wood; Mosaic Wood</u>	
Notched trowel.....	Coverage
5 mm x 4 mm (3/16" x 5/32") V-notch trowel.....	4.6 m ² (50 ft ²)
6 mm x 5 mm x 12 mm (1/4" x 3/16" x 1/2") V-notch trowel.....	4.1 m ² (45 ft ²)

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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