PRO PRIME™ LP



2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PRO PRIME™ LP is a new generation, highly-concentrated acrylic primer, blue in color and transparent when dry, used for priming some substrates including well-prepared plywood, concrete surfaces, light-weight and gypsum-based surfaces, ceramic and quarry tile, cutback and adhesive residue and well-bonded VCT prior to the application of PROMA leveling underlayments. PRO PRIME™ LP can be applied using a nap roller, broom or can be sprayed on.

Features

- Use **diluted** to prime porous concrete and gypsum-based substrates for reducing floor porosity prior to the application of a self-leveling underlayment
- Use **undiluted** to prime polished concrete, plywood, ceramic and quarry tile, cutback and adhesive residue, well-bonded VCT, and PRO BLOCK™ MMS ECO moisture management sealer system prior to the application of a self-leveling underlayment
- Apply easily with a nap roller or a broom
- Ideal for use as a primer prior to installing PRO CBM™ 2 over a concrete floor
- Use to prime concrete surfaces prior to the installation of a self-adhering heating mat
- For interior institutional, commercial and residential applications
- Contributes to LEED® objectives and requirements

Packaging

3.79 L (1 US gal) bottle; 18.9 L (5 US gal) pail



Concrete | *Exterior-Grade Plywood* | *Cutback Adhesive Residue* | *Existing Well-Bonded VCT tiles* | *Existing Tile* | *PRO BLOCK™ MMS or PRO BLOCK™ MMS ECO*



Suitable Substrates

- Dry, completely cured concrete (at least 28 days old)
- 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 in dry areas only
- Cement backer units (CBU)
- Cementitious screeds, rendering, leveling coats and mortar beds
- Gypsum and light-weight concrete surfaces *
- Existing ceramic and quarry tiles
- Old Cut-back adhesive residue and non-soluble adhesive residues
- Existing well-bonded VCT tiles
- PRO BLOCK™ MMS or PRO BLOCK™ MMS ECO moisture management sealer system

* *Provided that the tensile bond strength of 72 psi (0.5 MPa) is reached as a minimum for self-leveling applications*

Limitations

- For INTERIOR installations only.
- Do not use at temperatures below 10°C (50°F) or above 35°C (95°F).
- Do not use when in the presence of hydrostatic pressure or humidity problems.
- Do not use this product as a floor finishing primer or surface sealer or without covering it over with a floor covering material.
- Do not apply directly over particleboard, chipboard, presswood, Lauan, masonite, OSB or similar dimensionally unstable materials.
- Do not use directly over steel, existing hard and soft flooring such as porcelain tile, vinyl sheet good, linoleum, terrazzo, etc. For these substrates, use PRO SUPERPRIME™ or PRO SUPERPRIME™ 1C instead (see respective technical data sheet for details).
- Do not apply over wet areas.
- Do not use for installations subject to prolonged water immersion.

4. TECHNICAL DATA

Applicable Standards

NOTE: The technical data provided is averaged based on lab testing under controlled conditions (23° C [73° F] and 50% RH), done in accordance with standard industry testing methods (where applicable), and is subject to change without notice. Actual performance may vary depending on jobsite conditions and installation methods used. Please contact our technical services department for additional information.

PHYSICAL PROPERTIES (@23° C [73° F] and 50% RH)	
Drying time	1-3 hours

MECHANICAL PROPERTIES (@23° C [73° F] and 50% RH)	
VOC content	0 g/L
pH	8.0
Density	1.06 g/mL
Product color when wet	light blue
Product color when dry	clear
Shelf life	
24 months if kept in its original unopened packaging and stored in a dry location. ***Protect from freezing.***	

Approximate coverage per 3.79 L (1 US gal) when undiluted
18 - 37 m^2 (200 - 400 ft^2)
Approximate coverage per 3.79 L (1 US gal) when diluted with water
56 -111 m^2 (600 - 1200 ft^2)

5. INSTALLATION

Surface Preparation

(Refer to PROMA Surface Preparation Guideelines for complete details)

- All supporting surface 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) or in accordance with the requirements of the floor covering being installed.
- 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. For wood flooring and resilient floor covering installations, the moisture vapor emission of the concrete must not exceed 1.36 kg per 93 m^2 (3 lb per 1,000 ft^2) per 24 hours. Do not prime, repair, level or patch the substrate, or install any floor covering materials until moisture problems and conditions have been addressed to meet these requirements. **Please contact our Technical Service Department for appropriate recommendations.**
- 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, contaminated concrete and other contaminants and to provide sufficient surface texture and profile for the adequate bonding of the subsequent leveling and/or tile setting mortar products.
- Existing concrete slabs with old cutback adhesive or non-soluble adhesive residues must be well-bonded and properly cleaned of any loose adhesive. Then, PRIME the surface with PRO PRIME™ LP (please contact our Technical Service Department for appropriate recommendations).
- Existing ceramic and quarry tile and VCT should be properly prepared, cleaned and PRIMED with PRO PRIME™ LP (please contact our Technical Service Department for appropriate recommendations).

  Note: Scrape off as much as possible of the old cut-back adhesive.

  Do not use sweeping compounds. This could leave an oily film on the concrete surface that will prevent a proper bond.

Mixing and Application

Use PRO PRIME™ LP diluted 1:3 over porous concrete and gypsum-based substrates.

1. Use clean mixing-tools and containers.
2. Stir PRO PRIME™ LP thoroughly before use.
3. Dilute 1 part of PRO PRIME™ LP into 3 parts of clean, cool potable water.
4. Use a low-speed mixer (about 300 rpm) for stirring and mixing.
5. Apply PRO PRIME™ LP primer and work it into the substrate with a push broom or thick nap paint roller. Can also be sprayed.
6. Let PRO PRIME™ LP primer dry (from its original blue color) until it becomes transparent and tacky.
7. Second coat over very porous gypsum-based substrates (OPTIONAL, if required): Dilute PRO PRIME™ LP in a 1:3 ratio with clean, cool, potable water and apply according to recommendations.

Use PRO PRIME™ LP undiluted over polished concrete, plywood, ceramic tile, granite, marble, cutback and adhesive residue, well-bonded VCT and PRO BLOCK™ MMS ECO moisture management sealer system.

1. Use clean mixing-tools and containers.
2. Stir PRO PRIME™ LP thoroughly before use.
3. Use a low-speed mixer (about 300 rpm) for stirring and mixing.
4. Apply PRO PRIME™ LP primer and work it into the substrate with a push broom or thick nap paint roller.
5. Let PRO PRIME™ LP primer dry (from its original blue color) until it becomes transparent and slightly tacky.

Note: All expansion and control joints must be carried through from substrate to final flooring and filled with an industry-approved flexible sealant in accordance with ANSI A108.01 and TCNA detail EJ171 or TTMAC detail 301MJ. Do not fill or cover expansion and control joints with installation material. Contact PROMA's technical department for additional information.

Drying Time

Generally, PRO PRIME™ LP primer dries in about 1-3 hours (@ 23°C [73°F] and 50% RH); however the drying time may vary according to the prevailing room and substrate temperature and humidity conditions at time of application.

Note: Remove all puddles and excess latex primer before proceeding further with the application of the self-leveling product.

Install self-leveling underlayments within 24 hours of the application of PRO PRIME™ LP primer. Please contact our technical service department for appropriate recommendations if 24 hours is passed.

Cleaning

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

Health and Safety

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

6. AVAILABILTY 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.**

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.**

10. FILING SYSTEM

Additional information is available upon request, or by visiting **www.proma.ca.**

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