



PRO PRIME LP™ IMPROVED



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 PRIME LP IMPROVED 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 IMPROVED 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 and well-bonded VCT 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

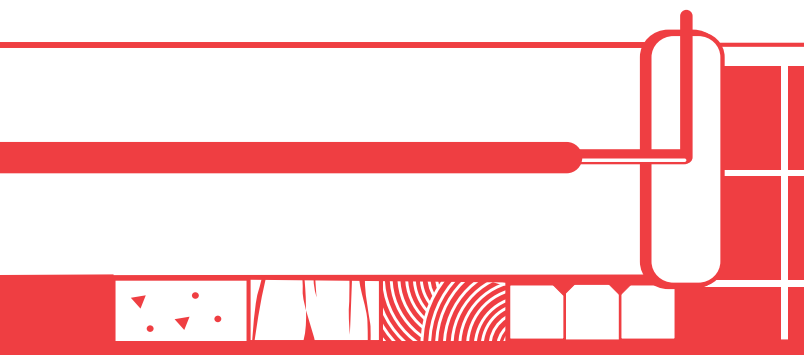
3.79 L (1 US gal) bottle; 18.9 L (5 US gal) pail; 200 L (53 US gal) drum

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
- * 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, Luan, 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.



Concrete

Exterior-Grade
Plywood

Cutback
Adhesive
Residue

Existing VCT
Tile

Existing
Tile





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)	
Drying time	1-3 hours

PHYSICAL 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
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)	
Shelf life	
24 months if kept in its original unopened packaging and stored in a dry location. Protect from freezing.	

5. INSTALLATION

Surface Preparation

(Refer to PROMA Surface Preparation Guidelines 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 m² (3 lb per 1,000 sq. ft.) 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 IMPROVED (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 IMPROVED (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 IMPROVED diluted 1:3 over porous concrete and gypsum-based substrates.

1. Use clean mixing-tools and containers.
2. Stir PRO PRIME LP IMPROVED thoroughly before use.
3. Dilute 1 part of PRO PRIME LP IMPROVED 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 IMPROVED 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 IMPROVED 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 IMPROVED in a 1:3 ratio with clean, cool, potable water and apply according to recommendations.

Use PRO PRIME LP IMPROVED undiluted over polished concrete, plywood, ceramic tile, granite, marble, cutback and adhesive residue and well-bonded VCT.

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

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.

Drying Time

Generally, PRO PRIME LP IMPROVED 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 IMPROVED 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. 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**.

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**.



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

© 2016 PROMA Adhesives, Inc.