PRO SET™ PLUS



When mixed with PRO TOP™ FX, PRO CEMIX™, or PRO CEMIX™ WS

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PRO SET™ PLUS is a universal latex additive for screeds and concrete leveling compounds (such as PRO TOP™ FX, PRO CEMIX™ and PRO SCREED™); and finishing coats, floating finishing coats, and abrasion-resistant screed construction (such as PRO CEMIX™ WS). PRO SET PLUS can also be used as a primer (undiluted) for gypsum boards or plasterboards before applying a thinset mortar or adhesive. When used as a mortar additive, PRO SET™ PLUS improves the flexibility, freeze/thaw stability, impact resistance and reduces the water absorption characteristics of screeds and hardened mortar beds, making it ideal for levelling screeds for exterior use or immersion in water.

Features

- Mix with screeds and concrete leveling compounds (such as PRO TOP™ FX, PRO CEMIX™ and PRO SCREED™); finishing coats, floating finishing coats and abrasion-resistant screed construction (such as PRO CEMIX™ WS) for enhanced flexibility, freeze/thaw stability, impact resistance, and reduced water absorption characteristics
- Use as a primer (undiluted) for non-painted gypsum drywall or plaster
- For interior and exterior institutional, commercial and residential applications
- Contributes to LEED® objectives and requirements

Packaging

20 L (5.3 US gal) pail

Suitable Substrates

- Dry, completely cured concrete (at least 28 days old)
- Concrete and masonry blocks
- Cement backer units (CBU)
- Cementitious screeds, rendering, leveling coats and mortar beds

Limitations

- Do not use at temperatures below 10°C (50°F) or above 35°C (95°F).
- Minimum thickness for sand/cement screed applications is 5mm (3/16").
- Not to be used as a waterproofing system. For this, use EXCLUSIVELY PRO MBR™ XD or PRO MBR™ (see respective technical data sheet for details).
- Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.
- Do not apply directly over plywood, particleboard, chipboard, presswood, Lauan, masonite, OSB, Gypsum-based leveling and patching compounds and all dimensionally unstable or non-recommended substrate materials such as metal or epoxy-resin floors.

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.

PHYSICAL PROPERTIES @ 23° C [73° F] and 50% RH)	
PRO SET™ PLUS + PRO TOP™ FX	
Open time	25 minutes
Initial cure	45 minutes
Final cure	60 minutes
PRO SET™ PLUS + PRO CEMIX™ / PRO CEMIX™ WS	
Open time	25 minutes
Initial cure	45 minutes
Final cure	60 minutes
PRO SET™ PLUS + PRO SCREED™	
Open time	> 60 minutes
Initial cure	4–6 hours
Final cure	28 days



Concrete

MECHANICAL PROPERTIES @ 23° C [73° F] and 50% RH)	
VOC content	0 g/L
Compressive strength (ASTM C-109) @ 28 days	
PRO SET™ PLUS + PRO CEMIX™ WS	≥ 55.1 MPa (8,000 psi)
PRO SET™ PLUS + PRO TOP™ FX	≥ 49.7 MPa (7,000 psi)
PRO SET™ PLUS + PRO CEMIX™	≥ 26.0 MPa (3,800 psi)
PRO SET™ PLUS + PRO SCREED™	≥ 26.0 MPa (3,800 psi)
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)

- 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, 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.
- All concrete substrates must be free of hydrostatic conditions.
- 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 provide sufficient surface texture and profile for the adequate bonding of the subsequent repair product (with a profile of CSP ≥ 5).
- Concrete must be saturated with water (SSD) to prevent an uncontrolled absorption of water out of the repair mortar. The concrete must be free of any standing water.
- Do not use sweeping compounds. This could leave an oily film on the concrete surface that will prevent a proper bond.

Mixing

Ratios

PRO TOP™ FX	PRO CEMIX™	PRO CEMIX™ WS	PRO SCREED™
3.8 L - 4.5 L (1.0 - 1.2 US gal / 3.2-4.2 US quarts)	2.4 L (0.63 US gal / 2.5 US quarts)	2.3 L-3.2 L (0.6-0.85 US gal / 2.4-3.4 US quarts)	2 .9 L (0.76 US gal / 3 US quarts)

1. Use clean mixing tools and containers.
2. In a clean container, measure and pour the recommended portion of PRO SET PLUS liquid at cool temperature and gradually add the powder proportion according to the mortar mix being used (see recommended proportions above).

   Note: Never dilute PRO SET PLUS with water as the performance and adhesion of the mix will be greatly reduced.
3. Mix using a mechanical mixer at low speed (150 to 300 rpm), until a homogeneous, smooth and lump-free mixture is obtained.
4. The product is now ready for use.
5. Clean working tools and hands with water while product is still fresh.

Application

Screeds and concrete leveling compounds (such as PRO TOP™ FX, PRO CEMIX™ and PRO SCREED™); finishing coats, floating finishing coats and abrasion-resistant screed construction (such as PRO CEMIX™ WS)

1. Apply following the specific instructions for the product used (reference respective product data sheets for details).

As a primer for non-painted gypsum drywall or plaster

1. Do not dilute. Shake container before applying product.
2. Clean surface to remove dust, dirt, paint, varnish or adhesive residue.
3. Pour PRO SET PLUS latex into a paint tray and apply in a long, wide, up-and-down motion directly onto plaster or gypsum drywall surface using a roller or brush. Cover surface completely and allow to thoroughly dry before applying adhesive or thinset.
4. The surface is dry enough to receive tile after 30 to 45 minutes under normal temperature and humidity conditions (i.e. 23° C [73° F] and 50% RH).

Expansion and Control Joints

- Respect all control joints if necessary where specified.

Curing and Protection

Screeds and concrete leveling compounds (such as PRO TOP™ FX, PRO CEMIX™ and PRO SCREED™); finishing coats, floating finishing coats and abrasion-resistant screed construction (such as PRO CEMIX™ WS)

- The screed, leveling mortar or mortar bed must be completely dry before spreading adhesive or thinset mortar for installing tile or stone.

  Note: Drying and curing times may vary depending on product used, and the temperature and humidity of surroundings (reference respective product data sheets for details). Do not attempt to accelerate drying and curing through forced ventilation, fans or heat-blowers.

As a primer for non-painted gypsum drywall or plaster

- The surface is dry enough to receive tile after 30 to 45 minutes under normal temperature and humidity conditions (i.e. 23° C [73° F] and 50% RH).

Cleaning

Clean mixer, working 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 (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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