

Pro Set Plus™

Multipurpose Latex Additive

Pro Set Plus is a multipurpose latex used as an additive for Portland cement bond coats, concrete repair mortars (such as PRO CEM or PRO CEMIX); and as a primer for gypsum wallboard or plaster, prior to applying thin-set mortars or adhesives. When used as an additive, Pro Set Plus will enhance flexibility, freeze/thaw stability, impact resistance, and reduced water absorption characteristics making it ideal for leveling screeds used in pools, subways, and tunnels.

Features

- ◆ Mix with Portland cement screeds and bond coats for enhanced flexibility, freeze/thaw stability, impact resistance, and reduced water absorption characteristics
- ◆ Use as a primer for non-painted gypsum drywall or plaster
- ◆ For interior and exterior commercial and residential applications
- ◆ Contributes to LEED® objectives and requirements

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

Packaging

7.5 L (2 U.S. gal) jug; 20 L (5.3 U.S. gal) pail;
200 L (53 U.S. gal) drum

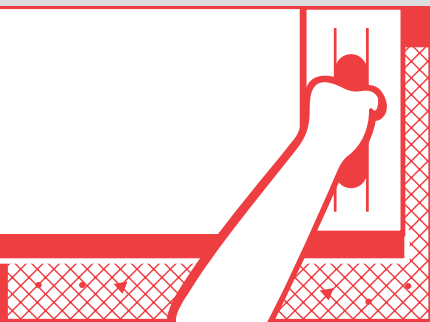


Limitations

- ◆ 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 the PRO MBR (see 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.

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 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.



CONCRETE

Pro Set Plus™ (continued)

Mixing

Mixing Ratios:

When used with Pro Cemix:

Mix 2.38 L (2.5 U.S. qt) of Pro Set Plus with 22.7 kg of powder

When used with Pro Cem:

Mix 2.1 L (2.2 U.S. qt) of Pro Set Plus with 20 kg of powder

When used with Pro Scratch:

Mix 4.1 L (4.3 U.S. qt) of Pro Set Plus with 22.7 kg of powder

1. Use clean mixing tools and containers.
2. In a clean mixing container, measure and pour the recommended mixing ratio as stated under 'Mixing Ratios'.
Note: Diluting Pro Set Plus with water will greatly reduce its adhesion strength.
3. Blend with a low-speed mixer until a homogeneous trowelable consistency is achieved.
4. The product is now ready for use.
5. Clean working tools and hands with water while product is still fresh.

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.

Curing

- ◆ Let the leveling compound harden and cure for 14 days prior to setting ceramic tiles.
- ◆ A minimum of 48 hours should be allocated prior to permitting heavy traffic.

Warranty

Prima 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. Prima'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 (@ 23°C [73°F] and 50% RH)

Pro Set Plus + Pro Cemix

Pot life: ± 25 minutes
 Initial cure: ± 45 minutes
 Final cure: ± 60 minutes
 VOC Content: 0 g/mL
 Compression strength (ASTM C-109) @ 28 days: > 5600 psi (39 MPa)

Pro Set Plus + Pro Cem

Pot life: ± 25 minutes
 Initial cure: ± 45 minutes
 Final cure: ± 60 minutes
 VOC Content: 0 g/mL
 Compression strength (ASTM C-109) @ 28 days: > 3800 psi (26 MPa)

Pro Set Plus + Pro Scratch

Pot life: > 1 hour
 Initial cure: 24 hours
 Final cure: 28 days
 VOC Content: 0 g/mL
 Compression strength (ASTM C-109) @ 28 days: > 3800 psi (26 MPa)

Shelf life (for Pro Set Plus)

12 months if kept in its original unopened packaging and stored in a dry location.

Health and Safety

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

Contact Information

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THIN-SET TILING

SURFACE PREPARATION / MORTAR BEDS AND CONCRETE REPAIR
Pro Set Plus

