

Pro Scratch™

Sand and Cement Mix (Ratio 3:1)

Pro Scratch is a 3:1 blend of sand and cement, for use in conjunction with expanded wire lath and is only suitable for indoor residential application. The installation of Pro Scratch must be done in accordance with local and regional building codes. Check product suitability for intended use.

Features

- ◆ Use for minor leveling and substrates correction
- ◆ For interior residential floor 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)
- ◆ Double layered EXTERIOR Grade Douglas Fir Plywood, certified CANPLY (SELECT) or (SEL-TF) CSA 121, minimum 32 mm (1 ¼") total thickness, for INTERIOR Residential Light -duty Floors in dry areas only.

Packaging

22.7 kg (50 lb) bag

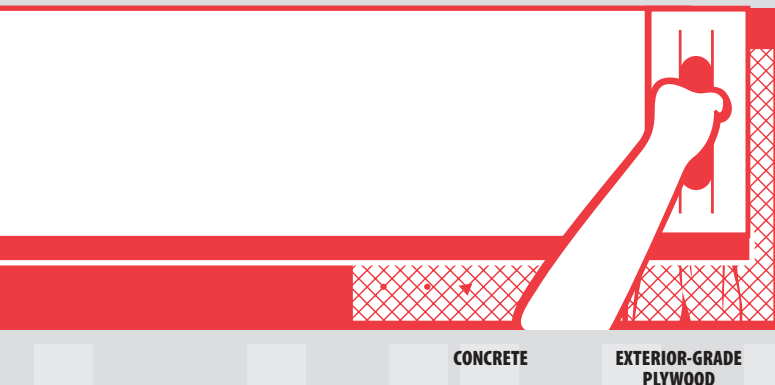


Limitations

- ◆ For INTERIOR installations only. For exterior installations, use PRO SCRATCH with PRO SET PLUS (see technical data sheet for details).
- ◆ Do not use at temperatures below 10°C (50°F) or above 35°C (95°F).
- ◆ It is essential to use wire netting for applications over exterior grade plywood (interior use only).
- ◆ Do not leave without floor covering or exposed as a resurfacing material.
- ◆ Do not use directly over a substrate that is subject to hydrostatic pressure, humidity problems or over an unstable substrate such as plywood, particleboard, presswood, asbestos board or steel. In such cases, a vapor barrier of either polyethylene sheeting or tar-paper must be installed before a floating concrete screed of a minimum thickness of 35 mm (1 3/8") with wire netting reinforcement is built.
- ◆ Do not apply on any type of cushioned flooring.

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.



CONCRETE

EXTERIOR-GRADE
PLYWOOD

Pro Scratch™ (continued)

Mixing

1. Use clean mixing tools and containers.
2. In a clean mixing container, measure and pour 4.1 L of cold clean water and gradually add 22.7 kg (50 lb) of PRO SCRATCH, while mixing slowly.
3. Blend with a low-speed mixer until a homogeneous trowelable consistency is achieved.
4. Let slake for 10 minutes then remix without adding any more water, latex additive or powder.
5. The product is now ready for use.
6. During use, remix mortar occasionally without adding any more water.
7. Clean working tools and hands with water while product is still fresh.

Application

- ◆ Spread the mortar with the flat side of a trowel.
- ◆ Ensure that the mortar is well compacted into the wire netting grooves.
- ◆ Apply addition mortar on the surface and level to obtain a flat mortar bed. For a smooth surface, there should be a thickness of at least 6 mm (1/8") over the wire netting.

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

- ◆ 24 hours at room temperature.
- ◆ Material should be completely dry prior to applying an adhesive.

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

Working time: > 60 minutes
Initial cure: 24 hours
Final cure: 28 days
VOC Content: 0 g/L
Compression strength (ASTM C-109):

Mixing ratio: 10.5%	Time	Result (kg/cm ²)	Result (lb/ft ²)
Cubes	24 hours	31.3	445
	7 days	115.1	1637
	28 days	142.9	2032

Approximate coverage per 22.7 kg (50 lb) bag

Thickness Coverage
 6 mm (1/4") 2.51 m² (27 ft²)
 12 mm (1/2") 1.25 m² (13.5 ft²)
 19 mm (3/4") 0.63 m² (6.8 ft²)
 25 mm (1") 0.32 m² (3.4 ft²)

Shelf life

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

PROMA Adhesives Inc.

8500 Ernest-Cormier, Anjou, Quebec Canada H1J 1B4
 Tel.: 514.852.8585
 Fax: 514.852.8225
 Toll-free: 1 866.51.PROMA (77662)
 Email: info@proma.ca

09 31 00 THIN-SET TILING
SURFACE PREPARATION / MORTAR BEDS AND CONCRETE REPAIR
Pro Scratch

