

1. PRODUCT NAME

PS27 (Pro-Stick 27)

2. MANUFACTURER

PROFLEX® Products, Inc.
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3. PRODUCT DESCRIPTION

PROFLEX® PRO-STICK 27 thin set mortar has superior performance and workability characteristics not found in regular thin set mortars, along with an extended open time. When mixed, it produces a creamy, easy to spread mortar specially developed for the professional tile setter. For commercial and residential use.

Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, clay bodied tile

For installation over: Tile backerboard, Plumb and true masonry, Properly cured and finished concrete, Gypsum plaster, Gypsum block or Gypsum board (dry areas - walls only), Cured portland cement mortar, plastic laminates, masonry surfaces.

Advantages

- Ready to mix product without need for additives.
- High strength for a variety of applications.
- Extended open and working time.
- ANSI A118.1, ANSI A118.4, ANSI A108.5 compliant.

Coverage

Coverage will vary with conditions of substrate. Required trowel size will vary with the tile size, type, and substrate uniformity. Select the trowel size that will ensure 100% coverage. Figures below are presented only as guidelines.

½" x ½" x ½" square notch trowel, 40 - 50 sq. ft.

¼" x ¾" x ¼" square notch trowel, 70 - 80 sq. ft.

Coverages are based on 50 lb. bag.

Packaging

50 lb. bag, 56 bags per pallet.

Caution

Eye and skin irritant. Read all precautions and instructions prior to using. Avoid inhalation of product. Keep out of reach of children and pets.

4. TECHNICAL DATA

Typical Performance Properties

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	100-150	225-250
Mosaic Tile	200-225	250-375
Glazed Wall Tile	150-200	250-300
Compressive Strength	1,500 - 2,000	3,500 - 4,000
Adjustability	20 minutes	
Open Time	50 - 70 minutes	
Final Set	6 - 8 hours	

5. INSTALLATION

Surface Preparation

Surfaces to receive PRO-STICK 27 must be clean and dry. Coatings, sealers, curing agents, and loose material must be removed prior to installation. All substrates must be secure and stable.

For applications using exterior grade plywood, mix with Latex Mortar Additive. A gap of 1/8" must be maintained between sheets. Wood flooring must be a minimum of one inch thick APA plywood. Deflection of the plywood substrate due to live or dead loads must not exceed 1/360 of the span. Increased thickness and strengthening of the subfloor may be required. Applications using exterior grade plywood are for interior uses not subjected to water. Plywood must be Group One, Exterior Grade, CC or better and must be installed in accordance to TCNA F150.

Mixing

Add PRO-STICK 27 to water and mix to a thick trowelable consistency. Mix at low speed to avoid entraining excess air into the material. Let the material slake for 10 minutes and remix prior to use. Do not add additional water to re-temper material.

Application: Scratch in a small amount of material onto substrate to insure proper bond, then apply additional material with a suitable trowel. It is important when adhering marble and granite that 100% coverage is obtained. When installing irregularly sized marble and granite units, back buttering each piece and setting, using a large notched trowel is recommended. This will maximize bonding area and improve the evenness of the finished surface. Set the tile in the material with enough force to insure 100% contact and twist tile slightly. Ten minutes after the tile is set, do not adjust, move, or put pressure on the tile. Only spread enough material that can be covered with tile within 15 minutes. Remove unhardened mortar with water. Once mixed, mortar can be used for up to 4 hours. For applications over cement backerboard, adhere backerboard according to backerboard manufacturer's recommendation using PRO-STICK 27 applied to the plywood substrate. For applications over existing ceramic tile, plastic laminate, vinyl flooring (non-asbestos), or VCT residue, roughen surface with coarse sandpaper or other abrasive. Clean to remove loose material.

Cleaning

Immediately after use, clean with water. Protect other surfaces from contact with material.

Curing

Under normal conditions, grouting may be performed after the dry set mortar has cured 24 - 48 hours.

6. AVAILABILITY

PROFLEX® Products are available nationwide.

To locate PROFLEX® products in your area, please contact:

Phone: 877-577-6353

Website: www.proflex.us

7. WARRANTY

PROFLEX® Products, Inc. offers a limited warranty for this product when used in accordance with printed specifications. A copy of the limited warranty can be obtained by calling technical services at 877-577-6353 or visiting www.proflex.us

8. MAINTENANCE

None required, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the Technical Support

Toll Free: 877-577-6353

Fax: 863-937-9624

Technical and safety literature: To acquire technical and safety literature, please visit our website www.proflex.us

10. FILING SYSTEM

Division 9