

1. PRODUCT NAME

PS42L (PRO-STICK 42 Lightweight)

2. MANUFACTURER

PROFLEX® Products, Inc.
2826 Broadway Center Blvd
Brandon, Florida 33510
Telephone: 863-937-9623
Toll Free: 877-577-6353
Fax: 863-937-9624
Internet: www.proflex.us



3. PRODUCT DESCRIPTION

PS42L (PRO-STICK 42L) is a polymer modified dry set mortar composed of lightweight aggregates, sand, cement, dry resins and other proprietary chemicals used to adhere virtually all types of tile, especially large tile units, marble, and granite to acceptable surfaces. Due to its lightweight and flexible properties, PRO-STICK 42L installations provide higher resistance to cracking up to 1/8" in-plane horizontal substrate movement. PS42L is especially formulated to hold large tile in place on vertical surfaces. PS42L also reduces unevenness caused by the setting of large tile on horizontal surfaces.

Uses

PS42L is applied in thickness from 1/8 to 3/4 inches to adhere:

- Marble
- Granite
- Ceramic
- Mosaic
- Quarry and Porcelain tile to plaster
- Drywall
- Concrete
- Backer Board
- APA rated exterior grade plywood
- Plastic Laminates and Masonry Surfaces.

Advantages

- Lightweight Formula
- 1/8" Crack Isolation
- Non Sag / Non Slump
- Large Format Tile up to 7 lbs. per sq. ft. installations
- Ready to mix product without the need for additives
- High strength for variety of bonding applications
- Extended open and working time
- ANSI A118.4, A118.11 compliant
- Mortar resists mold and mildew growth

PS42L is designed to set large format tiles vertically of up to 7 lbs. per sq. ft. Recommended for exterior use subjected to freeze – thaw conditions.

Coverage

Coverage will vary with condition 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.

- 1/2" x 1/2" x 1/2" sq. notch 40-50 sq.ft
- 1/4" x 3/8" x 1/4" sq. notch 70-80 sq.ft

Packaging

30 lb. bag, 64 bags per pallet

CAUTION

This material contains portland cement and silica. Avoid dusty conditions and breathing dust. Wear OSHA approved dust masks. Avoid all contact with skin and eyes. Wear gloves and eye protection.

4. TECHNICAL DATA

Typical Performance Properties

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	250-300	500-525
Mosaic Tile	250-300	400-450
Glazed Wall Tile	350-400	450-500
Quarry Tile & Plywood	175-200	200-250
Compressive Strength	4,000 - 4,500	6,000 - 6,500
Adjustability	15 minutes	
Open Time	60 minutes	
Final Set	6 - 8 hours	

Standards: PRO-STICK 42L conforms to ANSI A118.1, A118.4, A118.11, A118.15 and ANSI A108.5.

5. INSTALLATION

Surface Preparation

Surfaces to receive PS42L 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, a gap of 1/8 inch 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 according to TCNA F150.

Mixing

Add PS42L 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 retemper 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 PS42L 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