



# SUPER STICK

2022-04-05

## 1. PRODUCT NAME

**SUPERSTICK**

## 2. MANUFACTURER

**PROFLEX® Products, Inc.**

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## 3. PRODUCT DESCRIPTION

PROFLEX® SUPER STICK (ANSI 118.11) is a polymer modified mortar composed of 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. SUPER STICK is ideal for use over all PROFLEX® membranes to assure maximum performance. SUPER STICK is especially formulated to hold large units in place on vertical surfaces, and also reduces unevenness caused by setting of the tile when used on horizontal surfaces.

### **Uses**

Applied in thickness from 1/8 to 1/2 inches to adhere marble, granite, ceramic mosaic, quarry, porcelain and glass tile to plaster, drywall, concrete, backer board, exterior grade plywood, plastic laminates, masonry surfaces, and most metal surfaces. May be used to set tiles vertically of up to 5 lbs. per sq. ft. Recommended for exterior use subjected to freeze-thaw conditions. Also for use in and around pools, fountains, or other submersible conditions (minimum 72 hour cure).

### **Suitable Surfaces**

- Glass Tiles
- Metal
- Backer Boards
- Plumb and True Masonry Surfaces
- Cured and Finished Concrete
- Gypsum Wallboard (dry areas only)
- Cured Portland Cement
- Exterior Grade Plywood
- Plastic Laminate
- Proflex Membranes and Underlayments

### **Advantages**

- Ready to mix product without need for additives.
- High strength for a variety of applications.
- May be used in and around pools and fountains or “submersible” conditions (minimum 72 hour cure).
- Extended open and working time.
- ANSI A118.4, A118.11 compliant.

### **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



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

**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           | 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    |               |

#### 5. INSTALLATION

##### Surface Preparation

Surfaces to receive SUPER STICK 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 SUPER STICK to 5½ to 6½ quarts of clean potable 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. For applications over cement backerboard, adhere backerboard according to backerboard manufacturer's recommendation using SUPER STICK 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.



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## ***Curing***

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

For submerged applications a minimum 72 hour cure time is required.

## **6. AVAILABILITY**

PROFLEX® Products are available nationwide.

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

Phone: 877-577-6353

Website: [www.proflex.us](http://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](http://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](http://www.proflex.us)

## **10. FILING SYSTEM**

Division 9