

## 1. PRODUCT NAME

PS42 XLP (Pro-Stick 42 XLP)

## 2. MANUFACTURER

PROFLEX® Products, Inc.  
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Haines City, FL 33844  
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## 3. PRODUCT DESCRIPTION

PROFLEX® PRO-STICK 42 XLP is a unique polymer modified portland cement setting mortar for installing extra large porcelain, ceramic, ultra-thin stone floor tile. PROFLEX® PRO-STICK 42 XLP with it's exceptional fluid properties is the ideal adhesive for installing standard to ultra-thin, extra large tile and stone over a variety of substrates including tile over tile applications.

Uses: PRO-STICK 42 XLP easily provides maximum coverage of ultra-thin, extra large ceramic tile and stone on interior and exterior floor applications. It is recommended for absorptive, semi vitreous, vitreous tile and impervious ceramic tile such as porcelain tile and natural stone over properly prepared masonry, concrete, cement backer board, membranes and existing ceramic tile. PRO-STICK XLP is suitable for interior and exterior installations for both residential and commercial construction. It is recommended for use in the thin set installation method for vitreous tiles like porcelain over non-absorptive subfloors, and membranes.

### Advantages

- Freeze thaw stable
- Exceptional fluid properties for maximum coverage
- Suitable for interior and exterior applications
- Bonds to most surfaces
- Superior adhesion for Extra Large Floor Tile

### Suitable


• Brick Masonry • Cement Backer Board(1) • Cement mortar beds • Cement plaster • Cement terrazzo • Concrete • Concrete masonry • Cutback Adhesive(2) • Exterior grade plywood(3) • PROFLEX® Membranes • Post tension • Existing tile • Vinyl composition flooring(2)

### Substrates

1 Consult cement backer board manufacturer for installation recommendations and to verify acceptability for exterior use  
2 Remove as much Cutback adhesive as possible, apply PROFLEX® SP-1. If a Waterproof/Crack Isolation is needed use PROFLEX® Membranes  
3 Interior use only

**Packaging:** 50 lb. bag (22.7 kg.) 48 bags per pallet

**Shelf Life:** One year from manufacturing in sealed original container, when properly stored at room temperature, off the ground in a controlled, dry, heated area.

Recommended Notch Size		
		
1/4" x 1/4" Sq-Notch	1/4" x 3/8" Sq-Notch	1/2" x 1/2" Sq-Notch
Ceramics	Quarry Tile, Rough Stone	Large Tile, Marble, Stone
Approximate Coverages		
65 - 75 sq. ft. 6.0 - 6.9 m2	55 - 65 sq. ft. 5.1 - 6.0 m2	35 - 45 sq. ft. 3.2 - 4.2 m2

Coverage will vary based on application type. Read installation instructions prior to use.

## 4. TECHNICAL DATA

### Properties

ANSI 118.4	ANSI Requirements	PRO-STICK 42 XLP Results
Glazed Wall Tile, 48 hour shear	> 100 psi	> 260 psi
Impervious Mosaic, 28 day shear	> 200 psi	> 480 psi
LEED v3 NC VOC	EQ Credit 4.1	PRO-STICK 42 XLP Results

VOC	< 65 g/l	0 g/l
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## 5. INSTALLATION

### Surface Preparation

All surfaces must be between 40° F (4° C) to 95° F (35° C) and structurally sound (deflection not to exceed 1/360 of the span), dry clean and free from oil, grease, wax, paint, old adhesives, sealers and curing compounds. Any contaminants which inhibit proper bond must be removed. Substrate preparation should be completed following ANSI A108 AN-2 "General Requirements for Sub-surfaces." All substrates should be plumb and true, surface deviation should not exceed 1/4" in 10'. Patching, leveling or areas requiring a mortar bed should be prepared using PROFLEX® Underlayments. Movement (expansion) joints should be provided to comply with TCA method EJ 171.

### Substrates

**Plywood Substrates:** Maximum joist spacing should be 16" on center. Plywood should be exterior glue only. Maintain a gap of 3/16" between plywood underlayment sheets edges and all that abut walls, columns, posts and adjacent sheets. All plywood installations should be interior areas only and protected from exposure to moisture. Cement Substrates: All concrete substrates should be cured a minimum of 28 days. Smooth steel troweled floors should be roughed up using mechanical chipping, scraping or shot blasting. Dampen porous or dry concrete previous to installation of tile. Do not leave puddles or standing water.

**Cement Backer Board:** Follow cement board manufacturer's instructions

**Mixing:** In a clean container, add approximately 5.4 quarts (5.1 liters) of clean potable water. Then add the contents of the 50 lb. (22.7 kg) PRO-STICK 42 XLP mortar. Mix thoroughly by hand or with a slow speed mixer to a smooth, creamy, trowelable consistency. Allow mortar to slake for approximately 15 minutes, and then remix before using. Remix without adding additional water or powder. Mortar consistency shall be such that when applied with the recommended notched trowel to the substrate, the ridges formed in the mortar do not flow or slump until the tile is put into place. During use, stir mortar mix occasionally. Do not temper with additional water. Do not add Liquid Latex to PRO-STICK 42 XLP.

**Application:** Apply mortar to the substrate with the flat side of the trowel, with enough pressure to firmly work into the surface. With a notched trowel, immediately follow with a heavier coat of material using the appropriate trowel and enough mortar to provide 100% coverage to the back of the tile. The PRO-STICK 42 XLP thin set can be troweled to the substrate holding the notch until the tile is moved perpendicular to the notches, substantially increasing the coverage and contact of the tile. Some extruded or lug back tiles back-buttering of tiles may be required. Do not spread more mortar than can be covered in 20 minutes or before the mortar skins over. It is advised that during the installation, remove a tile to insure the mortar has not skinned over and check the tile and substrate mortar coverage. Comb the mortar using an appropriate notched trowel in one direction. Place tiles in mortar, slide back and forth perpendicular to the ridges to insure proper coverage. Do not adjust tiles set in mortar after 15 minutes.

**Limitations:** Do not use PROFLEX® PRO-STICK 42 XLP below 40° F (4° C) or above 95° F (35° C). Use caution; do not allow mortar to freeze for the first 72 hours. Do not soak tiles previous to installation. PRO-STICK 42 XLP must not be used to apply over asphalt sheeting, vinyl covered wallboard, Masonite®, cement asbestos board, metal, glass, plastic, gypsum mortar beds or other unstable substrates. Improperly cured or wet plywood, particle board or strip wood are not suitable substrates. Installations that will be continually wet like swimming pools, fountains and gang showers, the completed installation should be cured a minimum of 14 days and allowed to dry before exposure to water. For white or light colored marbles use PRO-STICK 42 XLP White mortar. Some dimensional stone tile like resin backed, black, green and red marbles may warp when installed with water based setting materials. These water sensitive stone tiles should be installed with PROFLEX® Epoxy Grout For use of PRO-STICK 42 XLP over additional substrates or situations not mentioned in these instructions, contact PROFLEX® Technical Services.

## 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



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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