

# FORPAC® FP52 XLT

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## 1. PRODUCT NAME

FP52 XLT

## 2. MANUFACTURER

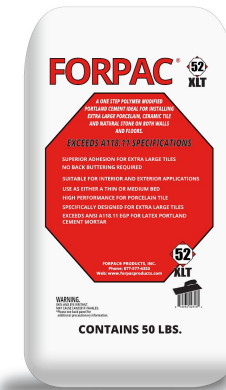
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## 3. PRODUCT DESCRIPTION

FORPAC® 52 XLT is a one step polymer modified portland cement setting adhesive for installing extra large format porcelain, ceramic tile and natural stone on both walls and floors. FORPAC® 52 XLT with its unique properties can be used as a thin or medium bed setting adhesive for installing large format, ceramic, porcelain and irregular thickness stone without the need of back buttering the tile.

### Uses

FORPAC® 52 XLT is ideal for use in installations of extra large oversize ceramic tile and natural stone for both walls and floors in both interior and exterior applications. It is recommended for use 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. For interior dry areas, it is suitable for properly prepared gypsum board and exterior grade plywood substrates. FORPAC® 52 XLT is suitable for both residential and commercial construction. It is recommended for use in the thin set installation method for vitreous tiles like porcelain over low or non-absorptive subfloors, and membranes.



### Advantages

- Superior adhesion for extra large tiles
- No back buttering required
- Suitable for interior and exterior applications
- Use as either a thin or medium bed
- High performance for porcelain tile
- Specifically designed for extra large tiles
- Exceeds ANSI A118.11 EGP for Latex Portland Cement Mortar

### Suitable Substrates

- Brick Masonry
- Cement Backer Board (1)
- Cement Mortar Beds
- Cement Plaster
- Cement Terrazzo
- Ceramic Tile and Stone
- Concrete
- Concrete Masonry

- Cutback Adhesive (2)
- Exterior Grade Plywood (3)
- Gypsum Wallboard (3)
- FORPAC® Membranes
- Existing Tile
- Post tension
- Vinyl composition flooring (2)

**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 FORPAC® SP-1. If a Waterproof/Crack Isolation is needed use FORPAC® Membranes**

**3 Interior use only**

### Packaging

50 lb. bag, 56 bags per pallet

### 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.

Recommended Notch Size		
1/4" x 1/4" Square Notch	1/2" x 1/2" Square Notch	1/4" x 3/8" Square Notch
Ceramics	Quarry Tile, Rough Stone	Large Tile, Marble, Stone
Approximate Coverages		
65 - 75 sq. ft.	55 - 65 sq. ft.	35 - 45 sq. ft.

Coverages are based on 50 lb. bag.

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## Storage

Store in a well-ventilated place. Keep container tightly closed. Keep out of reach of children and pets.

## Shelf Life

One year from manufacturing in sealed original containers, when properly stored at room temperature, off the ground in a controlled, dry, heated area.

**CAUTION:** SKIN AND EYE IRRITANT. MAY CAUSE CANCER IF INHALED. Wetted cement can cause skin and eye burns. Handle with caution. Wear protective gloves/eye protection. Avoid inhalation.

Do not handle until all safety precautions have been read and understood.

## 4. TECHNICAL DATA

ANSI 118.4	ANSI Requirements	PRO-STICK 42 XLT 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 XLT Results
VOC	< 65 g/l	0 g/l

## 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 FORPAC® 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 prior 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 6.6 quarts (6.2 liters) of clean potable water. Then add the contents of the 50 lb. (22.7 kg) FORPAC® 52 XLT 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 does not flow or slump until the tile is put into place. During use, stir mortar mix occasionally. Do not tamper with additional water. Do not add latex liquid to FORPAC® 52 XLT.

**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. 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 FORPAC® 52 XLT 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. FORPAC® 52 XLT 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 FORPAC® 52 XLT White mortar. Some dimensional stone tile like resin backed, black, green and red marbles may warp when installed with water based setting materials.

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These water sensitive stone tiles should be installed with FORPAC® Epoxy Grout. For use of FORPAC® 52 XLT over additional substrates or situations not mentioned in these instructions, contact FORPAC® Technical Services.

## **6. AVAILABILITY**

FORPAC® Products, Inc. are available nationwide.

To locate FORPAC products in your area, please contact:

Telephone: 863-204-8020

Website: [www.forpacproducts.com](http://www.forpacproducts.com)

## **7. WARRANTY**

Contact FORPAC® Technical Services for specific warranty information. FORPAC® Products warrants that this product meets applicable ANSI standards in force at the time of manufacture.

## **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

Telephone:: 863-204-8020

Fax: 863-937-9624

Technical and safety literature

To acquire technical and safety literature, please visit our website [www.forpacproducts.com](http://www.forpacproducts.com)

## **10. FILING SYSTEM**

Division 9