

1. PRODUCT NAME

FP52

2. MANUFACTURER

FORPAC® Products, Inc.
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3. PRODUCT DESCRIPTION

FORPAC® 52 is a (ANSI 118.11) latex modified, medium bed mortar composed of sand, cement, and resins used to adhere a variety of tile surfaces, natural stone, marble, and granite, to approved substrates. Specially formulated to hold large format tiles and stone surfaces in place on vertical surfaces, and reduces unevenness caused by setting tile on horizontal surfaces. FORPAC® 52 is applied in thickness from 3/16 to 3/4 inches to adhere marble, granite, and tile, plaster, drywall, concrete, and masonry surfaces. Designed to set tiles vertically of up to 5 lbs. per sq. ft. (Larger sized units must be field tested to determine suitability).



Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, Clay bodied tile, high bottom lugged tile, Marble, Granite, Mosaic, Large format tiles, Vertical tile installations up to 5 lbs per sq. ft.

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, Exterior grade plywood, Plastic laminates, Masonry surfaces, FORPAC® Membranes.

Advantages

- Polymer-modified medium bed mortar
- Non-sag formula supports heavy tiles and un-gauged natural stone surfaces
- Suitable for interior and exterior applications
- Build up to 3/4" with minimal shrinkage
- ANSI A118.11, A118.4, A118.1, A108.5 compliant

Suitable Substrates

- Concrete
 - Cement mortar beds
 - Cement terrazzo
 - Backer Boards*
 - Exterior Grade Plywood*
 - FORPAC® Membranes*
 - Tile-over-tile applications*
- *Consult instructions prior to use.

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.

1/2" x 1/2" x 1/2" square notch trowel, 40 - 50 sq. ft.

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

Coverages are based on 50 lb. bag.

Storage

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

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

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	250-300	550-600
Mosaic Tile	250-300	350-400
Glazed Wall Tile	400-450	450-500
Compressive Strength	4,000 - 4,500	6,000 - 6,500
Adjustability	15 minutes	
Open Time	60 minutes	
Final Set	6 - 8 hours	

Standards: FP52 conforms to ANSI A118.1, A118.4, A118.11, A118.15 and ANSI A108.5.

5. INSTALLATION

Surface Preparation

Surfaces to receive FORPAC® 52 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 FORPAC® 52 to approximately 5 to 6 quarts of 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 FORPAC® 52 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

FORPAC® Products, Inc. are available nationwide.

To locate FORPAC products in your area, please contact:

Telephone: 863-204-8020

Website: 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.

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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

10. FILING SYSTEM

Division 9