

1. PRODUCT NAME

Floor Mix

2. MANUFACTURER

SUPERIOR ADHESIVES & TOOLS
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CUSTOMER SERVICE
1-888-398-6595
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3. PRODUCT DESCRIPTION

Superior Floor Mix is a factory-prepared blend of Portland cement and graded sand designed to mix with water to make semi-dry conventional floor mortar beds. Floor Mix is suitable for interior applications wherever a traditional mortar bed is required under tile and ideal for small shower pan fills in bathrooms. Mix with Superior Flexible Grout Admixture for added strength.

DESCRIPTION**A. Uses**

Designed for building mortar beds, leveling beds and shower pans.

B. Features

- Premixed sand and cement for efficiency
- Low sag to support heavy tile and stone
- Exceeds 5000 psi compressive strength workability
- Economical
- Screed from 3/8" to 3"

C. Suitable Substrates

- Concrete
- Suitable exterior grade plywood

D. Packaging

80 lb bag. Colors: Grey.

E. Shelf Life

15 months. Store off of the ground and protect from the weather conditions.

F. Limitations

Use caution; do not allow mortar to freeze for the first 72 hours. Do not soak tiles prior to installation. Not to be used to apply over asphalt sheeting, vinyl covered wall board, Masonite, cement asbestos board, metal, glass, plastic or other unstable substrates. Improperly cured or wet plywood, particle board or strip wood are not suitable substrates. For 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 white mortar. 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 must be installed with Superior Pro-Epoxy.

4. TECHNICAL DATA**Applicable Standards**

ASTM C387

5. INSTALLATION

All surfaces must be structurally sound and free of contaminants including oil, dirt, grease, paint, sealers or other chemicals and must be between 40° F and 90° F. Remove any residue from your surface prior to installation. Concrete slabs must be cured 28 days, free of efflorescence and not subject to hydrostatic pressure. Cracks, depressions or imperfections must be addressed prior to installation. Dry, dusty concrete slabs should be dampened and excess water removed. All concrete slabs must be plumb and true and meet minimum standard of 1/4" in 10 feet. Follow TCNA guidelines detail EJ-171: Movement Joints—Vertical & Horizontal or ANSI specification A108.01-3.7: Requirements for Movement Joints. Do not cover substrate expansion joints with mortar. Prior to installation, verify that subfloor assembly meets or exceeds industry standards of L/360 for ceramic tile and brick or L/720 for stone installations under live and dead loads.

DESCRIPTION**A. Mixing Instructions**

Mix Superior Floor Mix in a large pail, wheelbarrow or mortar box. Pour Floor Mix powder into the chosen container and gradually add water, approximately 1 gallon per 80 lb. Mix with a shovel, rake or hoe to an even consistency. When Floor Mix can be packed into a ball without crumbling apart, the correct consistency has been reached. For superior results: Mix 1 quart of Superior Flexible Grout Admixture with 3 quarts water per 80 lb bag of Floor Mix.

B. Application of Product

Refer to ANSI 108.1 for details on mortar bed installations and the TCNA Installation Handbook for mortar-bed standards. If installation will be covered with a non-breathable membrane or if a moisture-sensitive stone will be installed, allow an extended period of curing time before applying the membrane. Allow the mortar to fully cure approximately 24-72 hours.

Plywood substrate (INTERIOR ONLY) must be structurally sound and free of contaminants including oil, dirt, grease, paint, sealers or other chemicals and must be between 40° F and 90° F. Remove any residue from your surface prior to installation. For un-bonded mortar bed installations, cover the entire substrate with cleavage membrane or slip sheet. The TCNA has a variety of application details covering tile installations over mortar beds incorporating the use of a cleavage membrane. After installing cleavage membrane or slip sheet (6 Mils of polyethylene or 15 lb of roofing felt) to the substrate, install 16-gauge wire mesh. It is advisable to wear PPE to prevent injury. Next, apply properly mixed Floor Mix onto the wire mesh, and begin to pack in the mud using a flat wooden float. Be sure to maintain a minimum of a 5/8" thickness of mortar bed.

Cement substrate (INTERIOR OR EXTERIOR) must be structurally sound and free of contaminants including oil, dirt, grease, paint, sealers or other chemicals, and must be between 40° F and 90° F. For bonded mud-bed installation, apply a slurry bond coat using a Superior latex-modified mortar to a concrete substrate prior to installation of Floor Mix. For best results, apply properly prepared Floor Mix to a wet slurry coat, and be sure to maintain a minimum of 5/8" thickness of mortar bed.

C. Curing of Product

Allow 24 hours for mortar to cure.



D. Cleaning

Clean tools with fresh water when mortar is uncured.

6. AVAILABILITY

Available exclusively at The Tile Shop. Visit www.tileshop.com to find your nearest location or call 1-888-398-6595 for more information.

7. WARRANTY

8. MAINTENANCE

Superior installation products require no long-term maintenance, but installation performance and durability may depend on proper maintenance of other products used during installation.

9. TECHNICAL SERVICES

1-888-398-6595

10. FILING SYSTEM