



Floor Mud

Updated September 2025

1. PRODUCT NAME

TEC® Floor Mud
(050)

2. MANUFACTURER

TEC Specialty Products LLC
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.832.9002 Customer Service
800.832.9023 Technical Support
tecspecialty.com

3. DESCRIPTION

TEC® Floor Mud is a Portland cement-based mortar designed for thick setting beds under ceramic or quarry tiles. When mixed to a dry consistency, TEC® Floor Mud allows maximum compaction during tamping.

Key Features and Benefits

- Excellent workability
- Convenient for small or large jobs
- Flattens and levels concrete and wood substrates from ¾" (19 mm) to 9" (27 cm), with a dry-pack consistency
- Interior or exterior use*
- Ideal for creating shower bases
- Easy mixing. Just add water or TEC® Acrylbond® AMA acrylic mortar additive
- Contributes to LEED® project points
- VOC 0

* When using floor mud in areas subject to freeze thaw, use TEC® Acrylbond® AMA Acrylic Mortar Additive.

Packaging

50 lb. (22.68 kg) moisture-resistant bags
Gray

Product #15036061

Coverage

Coverage may vary according to substrate conditions and thickness of application. Select the trowel size that will ensure 100% coverage. Figures below are presented only as guidelines.

Application Depth	Approximate Coverage per 50 lbs. (22.68 Kkg)
¾" (9 mm)	11.33 sq. ft. (1.05 m²)
1" (25 mm)	4.25 sq. ft. (0.39 m²)
2" (50 mm)	2.125 sq. ft. (0.20 m²)
3" (76 mm)	1.42 sq. ft. (0.13 m²)

Suitable Substrates

When properly prepared, acceptable substrates include:

- Cured concrete floors
- Over plywood substrates (with a waterproof membrane)
- Adequately designed wood frame floor systems; see Tile Council of North America (TCNA) Handbook.

Substrate Preparation

Surface must be clean, dry, hard and free from dirt, loose particles, wax, sealers, curing compounds, grease, paint, efflorescence and any foreign materials that will inhibit adhesion. Floors must be structurally sound, free of movement and dimensionally stable. All installations must conform to ANSI A108.1. Smooth concrete surfaces must be scarified. Concrete surface must be brought to a

saturated surface dry (SSD) condition with clean potable water. All excess water must be removed. All materials should be stored at 50°F (10°C) to 80°F (27°C) for 24 hours prior to installation.

NOTE: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Storage

Store in cool, dry location. Do not store open containers.

Shelf Life

Maximum of 1 year from date of manufacture in unopened package.

Limitations

- Do not use over gypsum underlayment, hardwood, OSB, particle board or parquet flooring.
- Do not use under moisture sensitive floor coverings.
- Do not overwater. Mix to a dry consistency.

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC® brand product(s) under normal environmental and working conditions. Because each project is different, TEC Specialty Products LLC cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

Physical Properties

TEC® Floor Mud (050)	
Description	
Physical State	Dry powder
Color	Gray
Pot Life [at 68°F (20°C)]	Approximately 60 minutes.
Application temperature range	50°F to 95°F (10°C to 35°C)
Storage	Store in cool, dry location. Do not store open containers.
Shelf Life	Maximum 1 year from date of manufacture in properly stored, unopened package.

5. INSTALLATION INSTRUCTIONS

Mixing

Use cool, clean, potable water for mixing. Always use clean tools and mixing containers. TEC® Acrylbond® AMA acrylic mortar additive can be used in place of water. Add just enough dry mix to the liquid, approximately 2.5-3 qts. (2.4-2.8 L) per 50 lbs. (22.68 kg), to produce a dry-pack consistency. Too much liquid will cause the mortar to have reduced strength. The consistency and workability should be such to allow maximum compaction during tamping. Bucket life is approximately one hour. Warmer temperatures will reduce the bucket life.

Application

Apply only to surfaces that are frost free and above 50°F (10°C) and below 100°F (38°C) within 24 hours of application and 72 hours thereafter. Installation must conform to the current specifications in ANSI A108.1A, A108.1B, A108.1C and the TCNA Handbook for Ceramic Tile Installations.

Floors requiring reinforcement: When installing mud beds requiring reinforcement, place wire mesh reinforcement in the center of the mortar bed; reinforcement should not butt against vertical surfaces. Apply a slurry bond coat and install floor mud to desired thickness.

Shower receptors, steam rooms, and wet areas: When installing TEC®

Product Data

Floor Mud in a shower receptor, steam room or wet areas requiring waterproof membranes, TEC® Floor Mud must be tamped and sloped towards drain at 1/4" (6 mm) per foot and have a waterproof membrane and flanged drain installed prior to TEC® Floor Mud installation. Refer to TCNA B414, TR418 and SR613. HydraFlex™ Waterproofing Crack Isolation Membrane on top of the cured mortar bed greatly reduces mold and mildew growth in the shower floor.

Over wood floors: Install a cleavage membrane (4 mil polyethylene film or waterproofing membrane) before placing TEC® Floor Mud.

Concrete floors without reinforcement: Apply TEC® Floor Mud. The addition of TEC® Acrylbond® AMA acrylic mortar additive provides better adhesion to the existing substrate and strength of the mortar bed.

Installation of tile with wet set method: Soak tile in clean, potable water until saturated and drain excess water before setting tile. Immerse tile completely during the soaking period. Re-soaking of tile may be necessary if the tile exhibits drying along the edges before setting. Apply a coat of neat cement over the TEC® Floor Mud while still fresh and workable.

Set tile firmly on the mortar bed. Space tiles to desired grout joint width and bring surfaces to a true level plane. Thoroughly beat tile while the mortar bed is still workable. Coverage under tile should be at minimum 80% interior or dry areas and 95% exterior or wet areas. Refer to ANSI 108.1A, 108.1B and 108.1C and TCNA Handbook for Ceramic Tile Installation.

Installation of tile with the dry set method: For installations of tile over a cured floor mud, use a TEC® tile setting mortar. Consult the respective product data sheet.

Clean-up

Clean tools and tile while the mortar is fresh.

Protection and Curing

- Provide for dry, heated storage on site and deliver materials at least 24 hours before work begins.
- Protect from rain, snow, freezing and direct solar heat, which will cause curing and performance deficiencies.
- Because temperature and humidity (during and after installation of tile) affect the final curing time, allow for extended periods of cure and protection when jobsite temperatures drop below 60°F (16°C) and/or when relative humidity is higher than 70%.
- Allow mortar to fully cure before installing tile.
- If the installation will be covered with a non-breathable membrane or if a moisture-sensitive stone is the finish, allow an extended period of curing before applying the membrane.

6. AVAILABILITY

TEC premium surface preparation, tile, stone, carpet, wood and resilient floor covering installation products are available nationwide.

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

Phone: 800-832-9002

Website: tecspecialty.com

7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **TEC Specialty Products LLC disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details visit tecspecialty.com. To obtain a hard copy of the Limited Warranty call TEC Specialty Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES

Technical and safety literature

To acquire technical and safety literature, please visit our website at tecspecialty.com.

10. FILING SYSTEM

Division 3 and 9



Conforms with LEED v4 low emitting interiors.
Compliant with (CDPH) Standard Method v1.2 VOC Emissions.



To learn more, visit TECSpecialty.com



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