

1. PRODUCT NAME

ProSpec® Floor Mud

2. MANUFACTURER

Bonsal American
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3. PRODUCT DESCRIPTION

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

Features and Benefits

- Excellent workability
- Convenient for small or large jobs
- Interior or exterior
- Pre-measured packaging for easy mixing. Just add water or ProSpec B-710 SBR Mortar Additive
- Can be used up to 9" (229 mm)

Uses

- Over concrete floors
- Shower receptors
- Roof decks and concrete decking
- Stairs
- Over plywood substrates (with a waterproof membrane)
- Under ceramic tile, quarry, pavers or stone
- Over and under ProSpec B-6000 Waterproof / Crack Isolation Membrane

Safety

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website www.prospec.com or contact CHEMTREC (24 hours availability) 800-424-9300 for International inquiries +011-703-527-3887, or contact Bonsal American Technical Services at 800-334-0784 (8:00 AM to 5:00 PM Eastern US Time).

LEED Eligibility¹

- Regional Materials (MR-c4, MR-c5)
- Low-Emitting Materials (IEQ-c4.3)

Packaging

Gray: 50 lb (22.7 kg) bag – Product #65467002

Shelf Life

12 months from the date of manufacture when stored in the original, unopened container, away from moisture, under cool, dry conditions and out of direct sunlight.

4. INSTALLATION 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 40°F (4°C) to 80°F (27°C) 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.

Job Mockups

Bonsal American, Inc. requires that when its ProSpec products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

Mixing

1. Use cool, clean, potable water for mixing. Always use clean tools and mixing containers. ProSpec B-710 SBR Mortar Additive can be used in place of water.
2. Add just enough dry mix to the liquid, approximately 2.5 - 3 qts (2.4 L - 2.8 L) per 50 lbs (22.7 kg), to produce a dry-pack consistency. Too much liquid will cause the mortar to have reduced strength.
3. Mix thoroughly until lump free.
4. The consistency and workability should be such to allow maximum compaction during tamping.
5. Bucket life is approximately one hour. Warmer temperatures will reduce the bucket life.

Application

Apply only to surfaces that are frost free and above 40°F (4°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 A108.5 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 Floor Mud in a shower receptor, steam room or wet areas requiring waterproof membranes, 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 Floor Mud installation. Refer to TCNA B414, TR418 and SR613. B-6000 Waterproof / 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 Floor Mud.

Concrete floors without reinforcement:

- Apply Floor Mud. The addition of ProSpec B-710 SBR 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 white neat cement over the 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 ProSpec tile setting mortar. Consult the respective product information sheet.

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.

Coverage

50 lb (22.7 kg) bag: Approximately 4.25 ft² (0.39 m²) at 1" (25 mm) thickness.

5. TECHNICAL SERVICES

Technical assistance:

Information is available by calling ProSpec Technical Services Hotline (hours 8:00 AM to 5:00 PM EST):

Toll Free: 1.800.334.0784

Fax: 1.704.945.0309

Technical and safety literature:

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

¹ ProSpec products can contribute to LEED credits within the Material Resource, (Recycled Content & Regional Materials) and Indoor Environmental Quality (Low Emitting Materials).



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