



PRODUCT INFORMATION

mortar bed 500
Portland cement mortad bed

MORTAR BED 500 is a blend of Portland cement and graded silica aggregates developed to produce a dense substrate on which to apply ceramic tile or stone. **MORTAR BED 500** is a factory controlled, consistent proportioned pre-blended mortar. Simply add water or **LATEX BOND ADMIX 150** liquid additive and mix to a smooth, easy to apply 1.25" - 2" thick mortar bed.

TEXTURE:

Medium sanded powder consisting of portland cement and silica sand.

COLORS:

Gray

PACKAGING:

50 lb (22.7 kg) multi-wall bags.

AREA OF USE

MORTAR BED 500 is used as an "older method" of building up and leveling a surface. Also known or referred as float coat, deck mud or dry pack, wet-set method, mortar bed for installing ceramic, porcelain, mosaic, quarry, paver tile and stone over substrates such as concrete, wood, sub-floors and counter tops. Tile can be set in **MORTAR BED 500** "older method" while still plastic using a neat portland cement bond coat following the ANSI A108.1A procedure. If one of the combination methods (ANSI A108.1B or C) is specified or permitted, use **MORTAR BED 500** to establish a flat mortar bed or, when required, to create the desired slope; allow to cure. Then use one of Texrite's dry-set mortars to bond the tile.

LIMITATIONS

MORTAR BED 500 must not be applied over unsound structures. Some above grade wooden structures or metal studs may require additional structural support prior to placement due to the weight of this product. Consult an architect or structural engineer for these cases. This product is not affected by prolonged water contact but does not form a waterproof barrier and contains zero VOC's.

APPLICABLE STANDARDS

American National Standard Specification for the Installation of Ceramic Tile ANSI A108.1, A108.5 and A108.6.

INSTALLATION:

PREPARATORY WORK

All surfaces are to be free of frost and in a temperature range 40 - 90°F (4 - 32 °C) during application and initial (72 hours) cure.



WEATHER RESISTANT



EXTERIOR WALLS / FLOORS



OVER CONCRETE



OVER PLYWOOD

CEMENTITIOUS SUBSTRATES

Surfaces must be clean of any foreign materials before covering. Saturate clean, smooth concrete surface with water immediately prior to placing **MORTAR BED 500**. The surface shall be free of standing water. Before placing the **MORTAR BED 500**, spread a thin continuous layer of pure portland cement paste on the surface or dust a thin layer of dry portland cement on the concrete and wet it. Broom the pure portland cement slurry or the wetted portland cement dust to completely coat the surface with a thin uniform coating. Immediately apply **MORTAR BED 500** over the pure cement coating. Firmly tamp and screed the **MORTAR BED 500**. The thickness should be a minimum of 1 1/4".

SHOWERS

A minimum of 1 1/4" (32 mm) thick **MORTAR BED 500** is required for shower receptors. Showers require a suitable waterproof membrane and reinforcement. Consult local building codes, ordinances and trade practices.

WOOD FLOORS AND COUNTER TOPS

Place a cleavage membrane in compliance with ANSI A108.02-3.8 such as 15 lb roofing felt or 4 mil. polyethylene film over the wood substrate. Place **MORTAR BED 500** and reinforcing over the membrane. Reinforcing shall comply with ANSI A108.02 - section 3.6 or 3.7 (corrosion-resistant, proper sized wire fabric or an approved metal or plastic lath). Lap reinforcing lath at least one full mesh. Support and embed the mesh so that reinforcing is encapsulated in the middle of the **MORTAR BED 500**. Reinforcing shall not butt against vertical surfaces. Tamp firmly and screed the **MORTAR BED 500** level or with proper slope to drain if required. **MORTAR BED 500** shall be 1 1/4" (32 mm) thick nominal.

APPLICATION TO CONCRETE

For "bonded mud beds", saturate clean, smooth concrete surface with water immediately prior to placing **MORTAR BED 500**. The surface shall be free of standing water. Before placing the **MORTAR BED 500**, spread a thin continuous layer of pure portland cement paste on the surface or dust a thin layer of dry portland cement on the concrete and wet it. Rub into surface with pure portland cement slurry or the wetted portland cement dust to completely coat the surface with a thin uniform coating. Immediately apply **MORTAR BED 500** over the pure cement wet/damp coating.

Firmly tamp and screed the **MORTAR BED 500**. The thickness should be a minimum of 1 1/4" (32 mm). For "unbonded mud beds", place a cleavage membrane in compliance with ANSI A108.02-3.8 such as 15 lb roofing felt or 4 mil polyethylene film over the concrete. Place **MORTAR BED 500** and reinforcing over the membrane. Reinforcing shall comply with ANSI A108.02 section 3.6 or 3.7 (corrosion-resistant, proper sized wire fabric or an approved metal or plastic lath). Overlap reinforcing at least one full mesh. Support and embed the mesh so that reinforcing is encapsulated in the middle of the **MORTAR BED 500**. Reinforcing shall not butt against vertical surfaces. Tamp firmly and screed the **MORTAR BED 500** level or with proper slope to drain if required. **MORTAR BED 500** shall be 1 1/4" (32 mm) thick nominal.

MIXING

Blend **MORTAR BED 500** shall be added to clean, drinkable water or Texrite's Latex Bond Admix 150 liquid in the temperature range of 50 °F (10 °C) to 80 °F (27 °C) at a rate of approximately 1/2 gallon (1.9 liters) per 50 lb (22.7 kg) bag. Mix thoroughly until a consistent very stiff, compactable, damp mixture is achieved (the mortar consistency should not appear to be a wet paste, semi-fluid or pourable mix). Adjust mixture to produce a semi-dry consistency. Discard mortar when initial set is reached. Do not add any other materials to **MORTAR BED 500**. Tile, stone and marble can be thin-set over firm mortar bed.

COVERAGE

50 lb (22.7 kg) bag - approximately 5 sq. ft. (.46 m²) at 1 1/4" (32 mm) thickness.

CLEANING

Water is all that is needed to remove uncured mortar.

CURING

A minimum cure is obtained in 12 - 24 hours, depending on ambient temperatures. Normal grouting should be done 48 hours later (ANSI A108.5).

STORAGE LIFE

One year if kept dry in sealed bag.

SAFETY - CAUTION: May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

KEEP OUT OF REACH OF CHILDREN

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