

Floor Thin-set Mortar

Premium Formula for Floor Installations



PRODUCT DESCRIPTION

Carmelo Floor Thin-Set Mortar is a dry set mortar to be used on floors and walls, which requires only the addition of water to become a versatile setting system for tile installation. Meets and exceeds ANSI A118.1 requirements.

USES

To be used on surfaces such as concrete, cement mortars and gypsum wall board. For other surfaces such as ceramic, marble, and terrazzo, it is recommended to use Carmelo Polymer Modified Thin Set Mortar and refer to the manual published by the "Tile Council of America; Handbook for Ceramic Tile Installation".

TILE TYPES

Use Floor Thin-Set Mortar to set any of the following tile types.

- Vitreous, semi-vitreous or absorptive tile such as ceramic, quarry and cement.
- Brick tiles
- Terrazo
- Natural Stone tile

SURFACE PREPARATION

Surface must be sound, clean, dry and free from oil, wax, grease, dust, detergents or any other external contaminant that would prevent a good bond. Painted surfaces must be sanded and cleaned of waxes, dirt or any contaminants. All concrete substrates shall be completely cured.

MIXING

Verify that mixing tools and containers are clean before mixing. Prepare a container adding approximately 5 liters of water to attain a desirable mix amount. Add the required amount of the bag's content to the water. Mix thoroughly and slowly until the mortar reaches a uniform state without any lumps. Let it rest for 15 minutes and remix without any water addition. Verify consistency applying the mix on a vertical surface. Mortar consistency shall be such that when applied, it maintains the peaks of the trowel's notches. Do not use the mix once it has reached its initial set.

INSTALLATION

Use Carmelo Floor Thin-Set Mortar to lay any type of ceramic tile recommended for floor and wall installation. Using the recommended notched trowel, spread and comb the mortar to produce a uniform layer. Mortar amount should be sufficient to insure a minimum thickness of 3/32 inches between tile and surface once the tile has been installed. Apply over an area that can be covered with tiles before drying of the product start occurring. Press tile into freshly combed mortar. Mortar should cover at least an average of 80% of the total area of the tile for interiors (100% on tiles that will be in contact with water). While the mortar is fresh, verify contact by beating a tile and pushing it against the wall. Remove the tile and verify coverage. If needed, apply more mortar. Wait 24 hours before applying grout.

COVERAGE

60 — 65 ft² per 50 lbs. (5.6 — 6.0 m² per 22.68 kg) with a 1/4" x 1/4 x 1/4 trowel (6 x 6 x 6 mm) square-notch trowel.

STORAGE

Store in a moderate temperature dry place protected against water, moisture or any other external agents.

TECHNICAL DATA

Physical State	Powder
Color	Gray, White
Shelf Life	1 year in original bag, in a dry covered place.
Mixing Ratio	5 Liters of water per 50 pound bag.
Open Time	> 40 minutes
Adjustment Time	> 35 minutes
Shear Strength:	> 300 psi @ 7 days > 350 psi @ 28 days

ECOLÓGICA CARMELO

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