

# CARMELO

## PREMIUM FLOOR THIN-SET MORTAR

(Pega Piso)

Premium Formula for Floor Tile Installations



**Product Description:** PREMIUM FLOOR THIN-SET MORTAR is a dry set mortar with good bond strength for most tile projects and is recommended to be used on floor installations.

**Advantages:** To be used on surfaces such as concrete floors, masonry, mortar beds. For other surfaces such as ceramic, marble, terrazzo, gypsum board and leveling compounds, it is recommended to use Polymer Modified Thin Set Mortar and refer to the manual published by the "Tile Council of America, Handbook for Ceramic Tile Installation."

**Industry Standards and Approvals:** Our product meets and exceeds industry standard ANSI A118.1 ISO C1 requirement to ensure an efficient installation and long-lasting bond.

### Usage and Application:

Use this product to set the following tiles:

- Vitreous, semi-vitreous or absorptive tile such as, ceramic, quarry, and cement
- Brick tile
- Terrazzo
- Natural stone tile

**Surface Preparation:** The surface must be sound, clean, dry, and free from oil, wax, grease, dust, detergents, or other external contaminants that may prevent a strong bond. Painted surfaces must be sanded and cleaned of wax, dirt, or other contaminants before applying the product. All concrete substrates must be completely cured prior to applying the mortar.

### Mixing Ratio:

- 1.32 Gal (5 L) of water per 50 lbs. (22.68 kg) bag

### Mixing Instructions:

- 1 Verify that mixing tools and containers are clean before mixing.
- 2 Mix with the recommended water amount using a mortar/grout paddle mixer in the desired

container until it forms a smooth, paste-like consistency without any lumps.

- 3 Slake, or let the mixture sit, for 10-15 minutes.
- 4 Remix without adding additional water.
- 5 Do not use the mix once it has reached its initial set.

### Installation / Curing:

- 1 Apply efficiently to the desired vertical surface using a notched trowel. Once tested on the desired surface and if properly mixed, the mortar should maintain the peaks of the trowel notches without sagging.
- 2 Use Floor Thin-Set Mortar to set any type of ceramic tile recommended for floor installation.
- 3 Comb the mortar with the trowel to produce an underlying bed and prevent skinning.
- 4 Ensure that the amount of mortar applied, has a minimum thickness of 3/32 inches between tile and surface once the tile is installed.
- 5 Apply over an area that can be covered with tiles before skinning occurs.
- 6 Press tile into freshly combed mortar.
- 7 While the mortar is fresh, verify contact by beating a tile and pushing it against the bed.
- 8 Remove the tile to verify coverage and if needed, apply more mortar.

# PREMIUM FLOOR THIN-SET MORTAR

(Pega Piso)

9 The bed mortar should cover an average of 80% of the total tile area for interiors and 100% of the total tile area for floor tiles that will come in contact with water.

**Clean Up:** Wash tools and clear tiles immediately after completing the project. Mortar should still be fresh.

**Storage:** Store in a dry place with moderate temperature, making sure that it's protected against water or other external agents.

## Protection of Work Area:

- 1 Wait 24 hours before walking over the installed product.
- 2 Apply grout 24 hours after installing the tiles.

**Environmental Considerations:** The product is environmentally friendly due to it containing regional materials from Puerto Rico.

**Warranty:** Ecológica Carmelo warrants this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the purpose for which it is intended.

**Health & Safety Precautions:** This product contains Portland cement. Always use safety goggles and rubber gloves when using this product, since contact with freshly mixed cement can cause severe burns. Avoid direct contact with skin and eyes. If this product does come in contact with the eyes, immediately flush with water for at least 15 minutes and consult a physician. For skin exposure, wash promptly with plenty of soap and water. If needed, consult a physician.

## Technical Data:

Yield or Coverage			
60 - 65 ft <sup>2</sup> per 50 lbs (5.6 - 6.0 m <sup>2</sup> per 22.68 kg) with a 1/4" x 1/4 x 1/4 trowel (6 x 6 x 6 mm) square-notch trowel.			
Product Details			
Product Code:	Physical State:	Size + Packaging:	Colors:
PEGPSG	Powder	50 lbs bag	Gray or White
Shelf Life + Application Properties			
Shelf Life	1 year in the original bag when kept in a dry covered place		
Initial Setting Time at 72°F / 22°C	8 Hours		
Final Setting Time at 72°F / 22°C	24 Hours		
Open Time at 72°F / 22°C	30-40 minutes		
Adjustability	55 minutes		
Bucket Life	40 minutes		
Shear Strength	Meet ANSI 118.1		
ASTM C1583 (Pull-off method)	150 psi		

**CARMELO**

**ECOLÓGICA CARMELO**

P.O. Box 1052 Sabana Seca, PR 00952-1052

T. 787.251.9474

info@carmelo.com / www.carmelo.com