

# ECO Flex LFT 9500

Polymer-modified Mortar for Large Format Tiles

## PRODUCT DESCRIPTION

Carmelo ECO Flex LFT 9500 is a polymer modified adhesive mortar for use on large format slabs that exceed 15 inches at their ends. This mortar is designed for installations of large and heavy slabs both indoor / outdoor. It only requires the addition of water, facilitating in a versatile way the installation of slabs. Meets and exceeds the parameters established by **ANSI A118.4** and **A118.11**.



## USES

For use on concrete surfaces, mortars and gypsum walls ("gypsum wall board"). Ideal for use in installations of tiles, mosaics, ceramics, porcelain, glass, clay tiles and most types of marble, granite and natural stone. Refer to the installation manual published by the "Tile Council of America" Installation Handbook.

## TILE TYPES

Use Eco Flex LFT 9500 to set any of the following tile types.

- Impervious ceramic and porcelain tiles.
- Glazed wall tile
- Vitreous, semi-vitreous or absorptive tile such as, ceramic, quarry and cement.
- Brick tile
- 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. For installations requiring an ANSI 118.1 mortar, thoroughly mix 5 liters clean water and a 50 lb. (22.68 kg) bag of Carmelo ECO Flex LFT 9500 together to form a smooth, paste-like consistency. Mix thoroughly and slowly until the mortar reaches a uniform state without any lumps. Slake for 10 - 15 minutes. 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 without sagging. Do not use the mix once it has reached its initial set.

## INSTALLATION

Use Carmelo ECO Flex LFT 9500 to set any type of ceramic tile recommended for floor installation. Using the recommended notched trowel, comb the mortar to produce an underlying bed. 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 skinning occurs. Press tile into freshly combed mortar. Bed mortar should cover at least an average of 80% of the total area of the tile for interiors (100 % on floors tiles that will be in contact with water). While the mortar is fresh, verify contact by beating a tile and pushing it against the bed. Remove the tile and verify coverage. If needed, apply more mortar. Wait 24 hours before walking over installed product. Apply grout after 24 hours of installation of tiles.

## COVERAGE

65 — 70 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.

## STORAGE

Store in a moderate temperature dry place protected against water or 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	5.68 Liters (1.5 gal). of water per 50-pound bag
Open Time: (at 72°F / 22°C):	30-40 minutes
Initial set: (at 72°F / 22°C):	8 Hours
Final set: (at 72°F / 22°C):	24 Hours
Adjustability	>55 minutes
<b>ASTM C1583</b> Pull-off method	200psi

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P O Box 1052 Sabana Seca, PR 00952-1052 T. 787.251.9474 / F.787.251.5494 / ventas@carmelo.com / www.carmelo.com