

# Carmelo Mix Type S

Plastering Stucco Mortar



## PRODUCT DESCRIPTION

Carmelo Mortar Mix Type S is a blend of cement, specially graded masonry sand and admixtures combined in carefully controlled proportions to give a product of consistent quality with good mixing, placing and finishing characteristics. The product is a general purpose mortar that combines ease of mixing with excellent performance. It is also an **ENVIRONMENTALLY FRIENDLY PRODUCT** containing recycled and regional materials.

## USES

Carmelo Mix Type S is a versatile product that can be used as masonry mortar for rendering block and concrete walls, laying block or stone, stucco & plaster repair, one-coat exterior plaster and mortar beds.

## TECHNICAL DATA

Carmelo Mix Type S is a Portland cement based plaster that is in compliance with **ASTM C-926, C-270, C-387** requirements for Type C Plaster. Typical compressive strength results obtained with Carmelo Mix Type S, when tested in accordance with **ASTM C-109**, are as follows: 1800 psi (12.41 MPa) at 28 days.

## SURFACE PREPARATION

Surfaces to be covered with Carmelo Mix Type S should be sound, clean, dry, and free of dirt, debris, oil, wax, grease, dust or any other external contaminant that would prevent a good bond. Painted surfaces must be sanded and cleaned of waxes, dirt or any contaminants.

## MIXING

Verify that mixing tools and containers are clean before mixing. To mix a 50 lbs bag of Carmelo Mix Type S, empty the entire dry contents into a container and add about 3.5 L (0.9 gal) of potable water. Mix thoroughly. If the mix is too stiff add more water until the desired consistency is obtained. Avoid a "soupy" mix since too much water will weaken the mortar. A workable mortar has a "buttery" texture without excessive bleeding and should slide off a trowel held at a 45 degree angle. If temperatures are expected to rise above 100°F (37.8°C) mix only enough mortar that can be placed in one hour. A mortar mixer is recommended for larger project.

## APPLICATION

Apply a bed of mortar onto the base of about 1/2" (12 mm) thick. The base must be pre-dampened before laying masonry units in hot weather. Push downward into the mortar bed and sideways against the previously laid block with a slight twisting motion. Mortar joints which protrude when units are laid should be cut flush, allowed to set until "thumb print hard" and then tooled to a concave joint using a round jointer.

## CURING

Curing of mortar is only required if conditions are hot, dry or windy. In such cases, spray a mist of water to the surface to prevent premature drying and improve the strength of the mortar. Try to keep the mortar protected from direct sunlight for the first 48 hours.

## STORAGE

Store in a moderate temperature dry place protected against water or other external agents. Physical State Powder

## TECHNICAL DATA

Physical State	Powder
Color	Gray, Beige
Shelf Life	1 year in original bag, in dry covered place.
Mixing Ratio	3.5 L (0.90 gal) of water for each 50lbs bag
Density	135 lbs/ft <sup>3</sup>
Compressive Strength:	1800 psi (12.41 MPa) @ 28 days
Approximate Coverage Per Thickness for a 50 Lbs Bag:	
1/4" (6,3 mm)	22 sq. ft (2,0 m <sup>2</sup> )
Yield	Aproximately 0.45 ft <sup>3</sup>

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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