

Carmelo Mix Type N

Modified with polymers



PRODUCT DESCRIPTION

CARMELO Mix Type N Modified with polymers is a mixture of cement, specially graded masonry sand and combined additives in carefully controlled proportions to give a constant quality product with good mixing, placement and finishing characteristics. The product is a general purpose mortar that combines the ease of mixing with superior adhesion. It is also a **FRIENDLY PRODUCT FOR THE ENVIRONMENT** that contains recycled material and regional materials.

USES

CARMELO Mix Type N Modified with Polymers is a versatile product that can be used as a masonry mortar for plastering and concrete walls, block or stone repair placement, interior or exterior layer stucco with superior adhesion.

TECHNICAL DATA

The product meets and exceeds the physical property requirements of ASTM for Type N Mortars on **C-270** (Mortar for Unit Masonry) and **ASTM C-387** (Standard Specifications for Packaged, Dry, Combined Materials for Mortar and Concrete). The mortar reaches a compressive strength in excess of 1000 psi at 28 days.

SURFACE PREPARATION

Surfaces to be covered with CARMELO Mix Type N 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 N, 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 a dry covered place.
Mixing Ratio	3.5 Liters (0.9 Gal.) of water per 50 lbs. bag (22.7 kg).
Compressive Strength	1000+ psi at 28 days
Density	130 lbs/ft ³
ASTM 1583	(Pull off test) 150 psi
Approximate Coverage Per Thickness for a 50 Lbs Bag:	1/4" (6,3 mm) 22 sq. ft (2,0 m ²)

ECOLÓGICA CARMELO **CARMELO**

Construction Materials for Sustainable Development

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