

CARMELO

CARMELO MIX TYPE S

(Mezcla Carmelo Tipo S)

Mortar Mix for Manual Use and Machine Application



Product Description: Carmelo's MORTAR MIX TYPE S is a blend of cement, especially 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.

Advantages: Our mix is versatile and can be used as masonry mortar for rendering block and concrete walls, laying block or stone, stucco & plaster repair, one-coat exterior/interior plaster and mortar beds with excellent finishing characteristics.

Industry Standards and Approvals: Carmelo Mix Type S is a Portland cement-based plaster in compliance with ASTM C-926 (Application of Portland Cement Based Plasters), ASTM C-270 (Mortar for Unit Masonry) and ASTM C-387 (Packaged Dry Mortars) Standards.

Usage and Application:

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/interior plaster and mortar beds. For all below-grade construction sites such as basements or tunnels.

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 any contaminants.

Mixing Ratio:

- ① 0.91-Gal (3.44 L) of water per 50 lbs. (22.68 kg) bag.

Mixing Instructions:

- ① Mixing tools and containers must be clean before mixing. For larger projects, use a mortar mixer.

- ② Add the required water amount to the container.
- ③ Empty the entire mix into a container.
- ④ Mix thoroughly until a lump-free consistency is reached.
- ⑤ 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.
- ⑥ If temperatures are expected to rise above 100°F (37.8°C), mix only enough mortar to be placed within one hour.

Installation / Curing:

- ① Apply a bed of mortar onto the base of about 1/2" (12 mm) thick.
- ② The base must be pre-dampened before laying masonry units in hot weather.
- ③ Push downward and sideways into the mortar bed and against the previously laid block with a slight twisting motion.
- ④ Mortar joints, which protrude when units are laid, should be cut flush and allowed to set until "thumbprint hard".
- ⑤ Tool the mortar joint into a concave shape using a round jointer.

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- 6 Curing mortar is only required if conditions are hot, dry or windy.
- 7 In such cases, spray a mist of water on the surface to prevent premature drying and improve the mortar's strength.

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 Keep the mortar protected from direct sunlight for the first 48 hours.

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:

A 50 lbs. bag will yield approximately 0.45 ft³ of mixed material. Coverage will be approximately 22 ft² at 1/4" (6,3 mm) thickness.

Product Details

Product Code:	Physical State:	Size + Packaging:	Colors:
MORTYPS	Powder	50 lbs bag	Gray, Beige

Compressive Strength ASTM C109 at 28 days:

1800 psi (12.41 MPa)

Bucket Life

1 hour

Density

132 lbs/ft³

Shelf Life + Application Properties

Shelf Life	1 year in the original bag, in a dry covered place.
Initial Setting Time at 72°F / 22°C	2 Hours
Final Setting Time at 72°F / 22°C	4 Hours
ASTM C1583 (Pull-off method)	Over 100 psi

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