

CARMELO

IMPERMEABLE MORTAR FINISH

(Mezcla de terminación impermeable)

Stucco / Plaster Mortar with Low Permeability for Exterior Finishes



Product Description: Our IMPERMEABLE MORTAR FINISH is a blend of cement, especially graded masonry sand, and admixtures combined in carefully controlled proportions. The mortar was designed specifically for reducing the chance of water entering through the finishes on existing structures. It also provides a damp-proof finish that combines an easy-to-use formula, needing only water and with excellent performance.

Advantages: Our product is designed to have lower water permeability and absorption, has a higher pull-off bond strength, and helps with visual water repellency and surface beading.

Industry Standards and Approvals: The product meets and exceeds the physical property requirements of ASTM C387 (Standard Specifications for Packaged, Dry, Combined Materials for Mortar and Concrete). The mortar reaches a compressive strength more than 1500 psi (10.34 MPa) at 28 days using ASTM C 109.

Usage and Application:

Carmelo Impermeable Mortar Finish is a versatile product that can be used for waterproofing: below-grade structures, basement walls, and masonries in general, elevator shafts, and ground facing walls.

Surface Preparation: The surface must be sound, clean, dry, and free from oil, wax, grease, dust, debris, or any other external contaminants that may prevent a strong bond. Painted surfaces must be sanded and cleaned of wax, dirt, or any contaminants.

Mixing Ratio:

- 0.9-Gal (3.5 L) of water per 50 lbs. (22.73 kg) bag
- 0.9-Gal (3.5 L) of water per 50 lbs. (22.73 kg) pail.
- 23 Oz-Fl (70 ml) (.72 qt) of water per 10 lbs. (4.55 kg) gallon.

Mixing Instructions:

- 1 Verify that mixing tools and containers are clean before mixing. For larger projects, use a mortar mixer or a mortar spraying machine.
- 2 Add the recommended amount of water in a

container and then empty the 50 lbs. bag, 50 lbs. pail or 10 lbs. (1 Gal) into the container.

- 3 Mix the product 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.
- 4 If the mix is too stiff add more water until the desired consistency is obtained. Be careful to avoid a “soupy” mix, since too much water will weaken the mortar.
- 5 A workable mortar will have a “pasty” texture without excessive bleeding and should slide off a trowel held at a 45° angle.
- 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 Pre-moisten the surface before placing the mix.
- 2 Apply a layer of mortar onto the base of about ¼” (6 mm) thick.
- 3 If it is a CMU block wall, push the mortar layer sideways using a twisting motion.
- 4 Curing the mortar only if conditions are hot, dry, or windy.
- 5 In such cases, spray a mist of water on the

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surface to prevent premature drying and improve the mortar's strength.

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

Protection of Work Area:

- Keep the mortar protected from extreme weather exposure for the first 48 hours.

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 use other than the purpose for which it is intended.

In the event of a claim under this warranty, notice must be given to Ecológica Carmelo in writing. This limited warranty is issued and accepted in lieu of all other expressed warranties and expressly excludes liability for consequential damages.

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:
0.44 ft ³ / Bag
Per Thickness for a 50 lbs. bag/pail: 1/4" (6,3 mm) 22 sq. ft
Per Thickness for a 10 lbs. bucket 1 gal: 1/4" (6,3 mm) 4.4 sq. ft

Product Details			
Product Code:	Physical State:	Size + Packaging:	Colors:
MORTIMPERM MORIMPFIN-P MORIMPFIN-G	Powder	50 lbs. bag 50 lbs. pail 10 lbs. gal	Gray

Compressive Strength ASTM C 109 at 28 days	Bucket Life at 71°F / 20°C	Density
1500 psi (10.34 MPa)	45 minutes	132 lbs/ft ³

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
ICRI 210.3R ASTM C-1583	200 psi

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