

CARMELO

CARMELO SMOOTH FINISH

(Cemento para suavizar superficies)

Plastering Cement for Smoothing Surfaces



Product Description: Carmelo's SMOOTH FINISH is a specially formulated compound that combines ease of mixing with excellent performance. The product has an excellent workability, while contributing to the protection of the substrate from chlorides and other detrimental salts.

Advantages: This product helps correct cosmetic defects on walls and ceilings in both interior or exterior surfaces. You can smooth rough areas producing a sleek and uniform texture throughout the surface eliminating micro cracks.

Industry Standards and Approvals: The product meets the ASTM C 109 requirements with a compressive strength of 3000 PSI (20.7 MPa) at 28 days.

Usage and Application:

This product is designed to smooth surfaces by correcting cosmetic imperfections in precast and cast-in-place structures and producing an even and smooth texture on the overall surface. It has a high-water retention, which fosters full hydration and a high bond strength to concrete and masonry surfaces.

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 to the substrate. Painted surfaces must be sanded and cleaned of wax, dirt, or other contaminants before applying the product.

Mixing Ratio:

- 1.7-Gal (6.5 L) of water per 50 lbs. (22.68 kg) bag or pail.

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 The product can be applied with any standard tool for masonry, it can also be sprayed with a low-pressure rotor/stator pump.
- 2 Apply a minimum 1/32" (Approx. 1 mm) thickness of material with a steel trowel and smooth the mix.
- 3 If a thickness higher than 1/16" (Approx. 2 mm) is desired, apply product in layers to build up to the desired thickness.
- 4 In high absorption substrates, first dampen or wet the surface to lower the suction and then apply the product.

Clean Up: Wash tools and clear the work area immediately after completing the project.

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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:

- ⊖ Keep the mortar protected from extreme weather exposure 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,

Technical Data:

Yield or Coverage:
The product will yield 100 ft ² at 1.5 mm thickness per 50 lbs. bag or pail.

Product Details			
Product Code:	Physical State:	Size + Packaging:	Colors:
MORSMOOTH MORSMOOTH-P	Powder	50 lbs bag 50 lbs pail	Color Gray, white or custom colors

Compressive Strength	Bucket Life	Density	Water Retention	Shear Strength
2200 psi @ 7days 3000 psi @ 28 days	Approximately 45 minutes at 74°F. Pot life will change depending on conditions like temperature and relative humidity.	129 lbs/ft ³	85% at 20 minutes	500 psi at 28 days

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	5 hours
Working Time at 74°F	45 minute
ASTM C1583 (Pull-off method)	Over 100 PSI