

CARMELO

FAST SET LEVEL MORTAR

(Autonivelante de secado rápido)

Self-Leveling and Correcting Mortar



Product Description: Our FS LEVEL MORTAR is a fast set self-leveling overlay mortar for many uses over concrete slabs. It heals to create a flat, hard exterior surface prior to the installation of a final finish. It can also be used to correct horizontal surface defects, slab leveling and repairs, and for ponding correction on roofs. Typical applications include commercial, industrial, and residential projects in new construction or when restoring over concrete flat works.

Advantages: With our unique mix design, strict Quality Assurance tests and processes, this mortar has a high fluidity and is ready to pour which reduces installation time. It continues to remain manageable for more than 25 minutes with mild agitation. The non-gypsum-based formula needs only the addition of water for a quick preparation that sets in 2 hours and cures in 4 hours. The high compressive and bond strengths reduce the risk of shrinkage and thermal cracking. Having an excellent bond to concrete, resulting a stronger adhesion to the substrate. Ideal for areas like freezer floor overlays.

Industry Standards and Approvals: This product meets the ASTM C 1708M Standard Test Methods for Self-leveling Mortars Containing Hydraulic Cements¹, ASTM C 1583 and ASTM C 266.

Usage and Application:

Carmelo's FS Level Mortar is used in exterior or interior horizontal surface correction applications in refrigerators, ceiling tiles, floors to correct and for immediate use. Apply product before the installation of any final finish.

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. Paint layers must be removed, and surfaces must be sanded and cleaned of wax, dirt, or other contaminants before applying the product.

Mixing Ratio:

— 0.73 Gal (2.76 L) of water per 50 lbs. (22.68 kg) pail

Mixing Instructions:

- 1 Mix the product with the recommended water amount in the desired container. Make sure to add the product to the water, NOT water to the product.
- 2 Mix with a high-shearing action for at least three (3) minutes until a smooth, uniform and lump-free consistency is reached.
- 3 Do not add more water during mixing.

Installation / Curing:

- 1 Pour the product over the primed substrate until it reaches the desired thickness.
- 2 Make sure the thickness is at least 3/16" (5mm) and not greater than 2" (50mm).
- 3 The effectiveness of the curing procedure will depend on climate and job conditions.
- 4 Do not apply when temperature is forecast to be above 100°F (38°C).

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Storage: Store the product 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 4 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 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 lb. pail will yield approximately 0.45 ft³ of mixed material. Coverage will be approximately 22 ft² at 1/4" thickness.

Product Details

Product Code:	Physical State:	Size + Packaging:	Colors:
MORFSLEV-P	Powder	50 lbs. pail	Gray

Compressive Strength ASTM C-109M at 28 days:

4000 psi (27.6 MPa)

Bucket Life at 71°F / 20°C

45 minutes

Density

137 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	20 minutes
Final Setting Time at 72°F / 22°C	45 minutes
Compression Strength @ 24 hours	Over 3000 psi
ICRI 210.3R ASTM C-1583	300 psi

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