

# FS Level Mortar



## Product Description

Carmelo FS Level Mortar is a fast set non-structural slab mortar based on poured cement that self-levels and heals to create a flat, hard surface on the exterior flat work before the installation of any final finish. It is used to correct horizontal surface defects. Typical applications include commercial, industrial and residential projects in new construction or restoration over concrete flat works. Packaged 50 lb bags is simple to use, requiring only addition of water at the jobsite.

## Benefits

With our unique mix design, strict Quality Assurance tests and processes, Carmelo FS Level Mortar offers the following advantages: Easiness of Leveling for smooth and easy installations / high fluidity and ready to pour, reducing installation time / Remain manageable for more than 25 minutes with mild agitation / Non-gypsum based / Single component: requires only the correct amount of water / Quick preparation for curing for service in 4 hours.

## Yield

A 50 lb bag will yield approximately 0.45 ft<sup>3</sup> of mixed material. Coverage will be approximately 22 ft<sup>2</sup> at 1/4" thickness.

## Advantages

- Fast setting 2 hours
- High compressive and bond strengths achieved
- Reduced risk of shrinkage/thermal cracking.
- Excellent bond to concrete
- Recommended for slab leveling and repairs
- Notable savings in material and labor.
- Better adherence to the substrate.
- Environmentally friendly — Contain local regional materials.

## Surface Preparation

Surfaces to be covered with Carmelo impermeable Mortar finish 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. Paint surface layers must be removed, and cleaned of waxes, dirt or any contaminants.

## Mixing Instructions

1. Add the Carmelo FS Level Mortar to the water (not water to material). Mix a 50 lbs. bag of the product with approx. 2.76 L (.73 gal) 3qts. of potable water.
2. Mix with high-shearing action for at least 3 Min., until a smooth, uniform and lump-free consistency is reached.
3. Do not add more water during mixing.
4. Pour the product over the primed substrate to the desired thickness. Thickness shall be at least 3/16" (5mm) and not greater than 2" (50mm).

## Curing

The effectiveness of the curing procedure will depend on climate and job conditions. Do not apply when temperature is forecast to be above 100 °F (38 °C).

## Technical Data

Physical State	Powder
Color	Gray
Shelf Life	1 year in original bag, in a dry covered place.
Mixing Ratio	2.76 L(3qt) of water/bag
Density	137 lbs/ft <sup>3</sup>
ASTM C-109M Strength	4000 psi (27.6 MPa)
Strength Time	24 hours
ICRI 210.3R ASTM C-1583	300 psi
Set Time ASTM C-266	2 Hours final set

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