

# CARMELO

## CARMELO EASY MIX CONCRETE WITH FIBER

(Concreto "Easy Mix" con Fibra)

Cement-based Concrete with Crushed Stone and Sand



**Product Description:** Our EASY MIX CONCRETE WITH FIBER is a mixture of cement, aggregates, additives with reinforced fiber for use in structures, slabs, foundations, footings and any concrete application. The aggregates are combined in controlled proportions with good mixing and placing characteristics.

**Advantages:** This mix is designed to help increase pedestrian safety and is particularly useful for places with high volumes of people foot traffic and areas prone to become slippery that need additional traction.

**Industry Standards and Approvals:** The product meets and exceeds the physical standards set by ASTM C387 (Standard Specifications for Packaged, Dry, Combined Materials for Concrete and Concrete) and tested under ASTM C-39 (Standard Test Method for Compressive strength of cylindrical Concrete specimens).

**Usage and Application:** This versatile product can be used for structural applications and the construction of patio slabs, pavement repairs in sidewalks, curbs, steps, ramps and walkways, piping, footings, foundations, swimming pools, bird baths, and for non slip concrete slabs, and for slope protection.

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

### Mixing Ratio:

- 0.64-Gal (2.4 L/2.6 Qts.) of water per 50 lbs. (22.68 kg) bag

### Mixing Instructions:

- 1 Verify that mixing tools and containers are clean before mixing. For larger projects, use a concrete mixer.
- 2 Start adding the dry concrete mix content into the container, making sure to mix thoroughly.
- 3 Mix the product with the recommended water amount using a concrete/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 concrete.
- 5 A workable concrete 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 concrete to be placed within one hour.

### Installation / Curing:

- 1 Dampen the substrate before pouring the concrete. If working in a warm climate, moisten the base with water before grouting.
- 2 Pour or apply the necessary amount of concrete mix.
- 3 Fill in all the desired areas and ensure there are no air gaps or puddles of water present.
- 4 To consolidate the mix, use a rod to tamp the area and smooth out any lumps or irregularities. Another option is to use an electric vibrator, but make sure to insert the vibrator completely into the concrete and be mindful to avoid over-vibrating because this could cause segregations in the concrete.
- 5 Use a wood or cork float to finish the edges using

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circular movements.

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

**Clean Up:** Wash all tools immediately after completing the project.

**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:

- ① Wait 1 to 2 hours before washing the surface.  
② If working in a public place, wash the surface gently with a garden hose and let the desired surface dry naturally.  
③ Never use a pressure washing machine to clean the surface.

**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:

Approximate Yields 0.38 ft<sup>3</sup> per 50 lbs. bag

### Product Details

Product Code:	Physical State:	Size + Packaging:	Colors:
N/A	Powder	50 lbs. bag	Gray or Beige

### Compressive Strength ASTM 39 at 28 days:

3000 psi (27.6 MPa)

### Bucket Life

1 Hour

### Density

142 lbs/ft<sup>3</sup>

### 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
ASTM C1583 (Pull-off method)	100 psi

**CARMELO**

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