

# Corrosion Inhibitor Repair Mortar

*FINISH Repair Mortar*



## Product Description

Carmelo Corrosion Resistance Repair Mortar is a blend of cement, specially graded masonry sand and admixtures combined in carefully controlled proportions to give a product of consistent quality with good mixing, placing and finishing characteristics. This product is a technology in corrosion inhibition that can easily be applied to the surface of existing concrete to extend the service life of any reinforced concrete structure. It is also an Environmentally Friendly Product containing recycled materials and local regional materials.

## Uses

Carmelo Corrosion Resistance Repair Mortar is a versatile product that can be used for all steel-reinforced, pre-stressed, precast, post tensioned or marine concrete. Steel-reinforced concrete, bridges and highways exposed to corrosive environments (deicing salts and weathering), building facades and balconies. Steel-reinforced concrete in or near a marine environment, parking garages piers, piles, concrete dock structures, approach for buildings and civil engineering structures.

## Data

The product meets and exceeds the physical property requirements of **ASTM C-387** (Standard Specifications for Packaged, Dry, Combined Materials for Mortar and Concrete). The mortar reaches a compressive strength in excess of 1500 psi (10.34 Mpa) at 28 days.

- Protects against the harmful effects of corrosion even in the densest concrete.
- Reduces the chloride ingress.
- Non-hazardous and non-toxic.
- Non-flammable.
- Safe and environmentally friendly.
- Concentrated for cost effectiveness on all projects.
- Protects both anodic and cathodic areas.

## Surface Preparation

Surfaces to be covered with Carmelo Corrosion Resistance Repair Mortar 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, cleaned of waxes, dirt or any contaminants.

## Application

Apply a layer of mortar onto the base of about ½" (12mm) thick. Can be mixed by hand or sprayed. The surface must be premoistened before placing the mix. If it is a CMU block wall, push the mortar layer sideways with twisting motion.

## Curing

Curing of mortar is only required if conditions are hot, dry or windy. In such cases, spray a mist of water to the surface to prevent premature drying and improve the strength of the mortar. Try to keep the mortar protected from direct sunlight for the first 48 hours.

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

The data outlined below is representative of typical values achievable under controlled laboratory conditions. Results obtained in the field may vary from those stated below.

## Technical Data

Physical State	Powder
Shelf Life	1 year in original bag, in dry covered place.
Mixing Ratio	3.5 Liters (.9 Gal.) of water/50 lbs bag.
Compressive Strength	1500 psi (10.34 MPa) at 28 days
Density	133 lb/ft <sup>3</sup>
Yield	.45/ft <sup>3</sup>
ASTM 1583 (Pull Off Test)	200 psi

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