



# CR MORTAR 510

COARSE AGGREGATED CONCRETE REPAIR AND REFINEMENT MORTAR

- High adherence onto concrete and plastered surfaces
- Smooth surface finishing
- Easy application on large surfaces
- Easy to apply on vertical surfaces

## DESCRIPTION

**CR MORTAR 510** is a single component, cement based, polymer reinforced, high stability, thick repair and surface refinement mortar.

## TYPICAL APPLICATIONS

- Internal and external reinforced concrete and cement based plasters,
- To grade uneven concrete surfaces,
- To provide high adherence on concrete and plastered surfaces,
- Compatible color with concrete.

## ADVANTAGES

- Provides a smooth surface.
- High adherence without primers.
- Fast setting.
- For horizontal and vertical repair works on concrete construction elements.
- Resistant to water, frost and adverse weather conditions.
- No shrinkage.
- High adherence on concrete and plastered surfaces.
- Smooth and easy applications on large surfaces.
- Easy to apply on vertical surfaces.

## TECHNICAL PROPERTIES

**Colour:** Grey

**Physical Appearance:** Powder

**Mortar Density:** 2,15 ± 0,05 g/cm<sup>3</sup>

**Application Temperature:** +5 °C - +30 °C

**Application Thickness:** max. 10 mm

**Pot Life:** 1 hour

**Full Cure:** 7 days

**Initial Setting:** 2-3 hours

**Service Temperature:** -20 °C - +80 °C

**Compression Strength (EN 12190):** > 15,0 N/mm<sup>2</sup> (28 days)

**Bending Strength (EN 12190):** > 3 N/mm<sup>2</sup> (28 days)

**Bonding Strength To Concrete (EN 1542):** >1 N /mm<sup>2</sup> (28 days)

Above given values are valid at 23 °C ve 50% relative humidity.

**Reference Standarts**

In accordance with EN 1504-3/R2

**Public Works Pos. No:** 04.613/8-b

## DIRECTIONS FOR USE

### SURFACE PREPARATION

- Application surface should be clean, and free from dirt, oil, paint, loose particles, mortar and plaster residues.
- The surface should be saturated with water before application, but any standing water should be removed.

### MIXING

- Mix 25 kg **CR MORTAR 510** with 4.5 - 5 liters of water using a low speed mixer for 3 to 5 minutes. Rest the mixture for 1 to 2 minutes, and mix again before use.

### APPLICATION

- Spread the mixture onto the previously damped surface with a trowel, and float to the desired thickness.
- It is recommended to mix **CR MORTAR 510** at regular intervals during application.
- Large surfaces should be protected from dehydration caused by hot, dry and windy conditions. Protect and cure the applied surface with wet sacks, water, or special curing agents, for 2 to 3 days.

### WATCHPOINTS

- The mix should not be retempered by any addition of powder or water.
- Do not apply below +5 °C.
- Damp the surface for high porous substrates or for applications above +25 °C.
- Protect from direct sunlight, wind, rain and frost for the first 24 hours.

### CONSUMPTION

2.2 kg/m<sup>2</sup> for 1 mm thickness

### PACKAGING

25 kg craft bag

### STORAGE and SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months under suitable storage conditions.

### HEALTH and SAFETY

As with all chemical products care should be taken during use and storage. Avoid contact with food, skin, clothes, eyes and mouth. If accidentally ingested seek immediate medical attention. In case of contact with skin or eyes, wash with a plenty of water and soap. Should be kept away from children. Reseal containers after use. Please consult Material Safety Data Sheet (MSDS) for further information.

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