



# CR MORTAR SR (CRS F3)

HIGH STRENGTH SULPHATE AND CHLORIDE RESISTANT REPAIR MORTAR

- High resistance against sulphate and chloride
- Up to 30 mm thickness in a single layer
- Crack-free application on large surfaces

## DESCRIPTION

**CR MORTAR SR** is a single component, cement based, high strength, fiber and polymer reinforced sulphate and chloride resistant, repair mortar.

## TYPICAL APPLICATIONS

- All internal and external structures; especially ground, underground and underwater surfaces which require sulphate and chloride resistance,
- With **CR MORTAR AC** to repair corroded concrete and reinforcements,
- To repair columns, beams and concrete floors.

## ADVANTAGES

- Up to 30 mm in a single layer.
- High resistance against sulphate and chloride.
- Easy to apply; just mix with water.
- Non-corrosive and non-toxic.
- Sulphate and salt-resistance makes it ideal for use on bridges, docks and docks.
- Resistant to water, constant humidity, frost and extreme weather conditions.
- Smooth and easy application on large surfaces.
- Resistant to freeze/thaw cycle.

## TECHNICAL PROPERTIES

**Colour:** Grey

**Physical Appearance:** Powder

**Mortar Density:** 2,20 ± 0,05 g/cm<sup>3</sup>

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

**Application Thickness:** max. 40 mm

**Pot Life:** 3-4 hours

**Time Required To Be Operational:** 1 hour

**Initial Set:** 2-3 hours

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

**Compression Strength (EN 12190):** > 45,0 N/mm<sup>2</sup> (28 days)

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

**Bonding Strength On Concrete:** 2,0 N/mm<sup>2</sup> (28 days)

**Capillary Water Absorption:** < 0,5 kg/m<sup>2</sup> h<sup>0.5</sup>

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

### Reference Standards

In accordance with EN 1504-3/R4

**Public Works Pos. No:** 04.613/3-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.

### APPLICATION

- **CR MORTAR SR** is a ready to use product. Mix 25 kg of **CR MORTAR SR** with 3.75 liters of water using a low speed mixer for 3 to 5 minutes. Rest the mixture for 1 to 2 minutes, and then mix again before for use. Apply with a trowel or a spatula.

## WATCHPOINTS

- Recommended water ratio should never be exceeded.
- Mixture should not be retempered by any addition of powder or water after initial curing.
- Do not apply below +5 °C.

## CONSUMPTION

25 kg of **CR MORTAR SR** will yield approx. 12.5 lt of mortar.

## PACKAGING

25 kg craft bag

## STORAGE and SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months if stored as recommended.

## 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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