



# CR MORTAR AC (CR-FIX)

CEMENT BASED, ANTI-CORROSIVE ADHERENCE MORTAR

- Strong corrosion resistance and strong adherence between existing and fresh concrete
- Maximum resistance against water and chloride
- Excellent bonding to concrete and steel

## DESCRIPTION

**CR MORTAR AC** is a single component, cement based and polymer reinforced, anti-corrosive adherence mortar.

## TYPICAL APPLICATIONS

- To protect rebars of internal and external structures against corrosion,
- Engineering structures like highways, bridges, tunnels and parking lots,
- Concrete repairs,
- To protect steel flooring and sheet ramp structures against corrosion,
- To protect concrete structures against corrosion,
- To provide an adherence bridge and corrosion prevention in a single product,
- As a primer before repair mortar applications.

## ADVANTAGES

- Strong corrosion resistance and strong adherence between existing and fresh concrete.
- Maximum resistance against water and chloride.
- Excellent bonding to concrete and iron.
- Resistant to water, constant humidity, frost and extreme weather conditions.
- Easy to apply directly on the surface with a brush or spray.
- High durability.

## TECHNICAL PROPERTIES

**Colour:** Grey

**Physical Appearance:** Powder

**Mortar Density:** 2,00 ± 0,05 g/cm<sup>3</sup>

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

**Application Thickness:** max. 5 mm

**Pot Life:** 3-4 hours

**Time Required To Be Operational:** 1 hour (next application follows while **CR MORTAR AC** is still moist)

**Initial Set:** 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 On Concrete:** 1,5 N/mm<sup>2</sup> (28 days)

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

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## DIRECTIONS FOR USE

### CONCRETE SURFACES

- Application surface should be clean, and free from dirt, oil, paint, loose particles, mortar and plaster residues.
- Reinforcement should be cleaned of rust, oil, and concrete residues. Back of the steel bars should be clear for the brush application.
- Weak sections on the surfaces should be repaired.
- The surface should be saturated with water before application but any standing water should be removed.

### APPLICATION

- **CR MORTAR AC** is a ready to use product. 25 kg of **CR MORTAR AC** is mixed with 6 lt of water with low speed mixer for 3 to 5 minutes. Let the mixture rest for 1 to 2 minutes, and then apply with a brush or spray gun.
- Repair mortars should be applied when **CR MORTAR AC** is still fresh. As an adherence bridge apply at least in 1 mm thickness and in 2 mm thickness in 2 layers as a corrosion inhibitor.

## CONSUMPTION

2.0 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.

**NOTE:** Information contained herein is based on our current scientific and application information. INTERFIKS Yapı Kimyasalları A.Ş. is liable only for the quality of product, and shall not be liable for consequences of any inappropriate uses of the product. This technical document shall remain in effect until a newer version is printed, and hereby substitutes all previous versions hereof. (01/2015)