



CR MORTAR 1020 XR

HIGH STRENGTH, RAPID SETTING REPAIR MORTAR

- Extremely fast setting
- High compressive strength
- Fast and easy application

DESCRIPTION

CR MORTAR 1020 XR is a high strength, single component, cement based and polymer reinforced repair mortar, that sets in 20 minutes and becomes available for traffic in one hour.

TYPICAL APPLICATIONS

- Internal and external applications,
- Concrete repairs where minimum shutdown period is required,
- Fitting manhole frames,
- Mounting sewer system rings and new manhole structures,
- Sewer and manhole wall reconstructions and repairs,
- Fixing kerbs and pavement stones,
- Repairing prefabricated elements,
- Concrete repairs on runways and bays,
- Repairing concrete surfaces subject to vehicle and pedestrian traffic,
- Concrete repairs in operational plants,
- Fixing concrete structures in water tanks and ducks where a short shutdown period is required.

ADVANTAGES

- Extremely fast setting.
- Early high resistance.
- Available for traffic in 1 hour.
- High compressive strength.
- High fluidity.
- Does not decompose or leak.
- Resistant to freeze/thaw cycle.
- Can be applied in trowel or fluid consistency.

TECHNICAL PROPERTIES

Colour: Grey

Physical Appearance: Powder

Mortar Density: 2,15 ± 0,05 g/cm³

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

Application Thickness: max. 20 mm

Pot Life: 10 min.

Time Required To Be Operational: 20 min.

Initial Setting: 20 min.

Service Temperature: -20 °C - +80 °C

Compression Strength (EN 12190):

- 17,0 N/mm² (1 hour)
- > 28,0 N/mm² (1 day)
- > 45,0 N/mm² (7 days)
- > 60,0 N/mm² (28 days)

Bending Strength (EN 12190):

- > 4,5N/mm² (1 day)
- > 7,50 N/mm² (28 day)

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

Reference Standards

In accordance with EN 1504-3/R3

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 1020 XR** with 3.0 (trowel) - 3.3 (fluid) lt ratio of water depending on the intention of use and desired consistency. Mix with a low speed mixer for 2 to 3 minutes until a lump-free, homogeneous mixture is achieved. Apply with a trowel or a spatula.

WATCHPOINTS

- The mix should not be retempered by any addition of water.
- Do not apply the product on to frozen surfaces and where the ambient temperature is below +5 °C.

CONSUMPTION

2.2 kg/m² 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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