

CP- Crete 10

TECHNICAL DATA SHEET

Cement Repair Mortar with 10mm Aggregates

PRODUCT DESCRIPTION

This high-performance cementitious repair mortar is designed for ground-supported concrete floor repairs. It is enhanced with 10mm aggregates and reinforced with 16 kg/m³ of hooked-end steel fibres [35mm long] to provide superior durability, crack resistance, and load-bearing capacity. The formulation ensures excellent adhesion to existing concrete substrates while maintaining workability and ease of application.

APPLICATIONS [75mm to 100mm thick]

- Ground-supported concrete floor repairs
- Heavy-duty industrial floors
- Warehouse and manufacturing facility repairs
- Patching of worn or damaged floor sections

ADVANTAGES

- Improved toughness and crack resistance
- Excellent bond strength to existing concrete
- Enhanced impact and abrasion resistance
- Fiber reinforcement provides increased tensile strength
- Easy to mix and apply

TECHNICAL SPECIFICATIONS

Property	Value
Base Material	Cementitious mortar with 10mm aggregates
Fiber Dosage	16 kg/m ³ hooked-end steel fibres
Aggregate Size	10mm
Compressive Strength	≥45 MPa (28 days) – micro concrete without aggregates
Flexural Strength	≥4 MPa (28 days)
Workability	Medium consistency, suitable for trowel application

Property	Value
Setting Time	Initial: ~2 hours, Final: ~6 hours [it may vary as per weather conditions]
Water Addition	3.9 to 4.5 ltr per 25kg Bucket.

MIXING & APPLICATION GUIDELINES

1. **Surface Preparation:** Ensure the substrate is clean, roughened, and free from dust, grease, and loose particles. Pre-wet the surface before application.
2. **Mixing:** Use a mechanical mixer to blend the dry material with clean water to achieve the required consistency.
3. **Application:** Place the mortar onto the prepared surface and compact thoroughly. Use a trowel or screed to level as required.
4. **Curing:** Keep the surface moist for at least 72 hours for optimal strength development. Complete curing should be continued for next 28 days.

PACKAGING & STORAGE

- Available in 25kg buckets.
- Store in a dry and cool environment, away from moisture
- Shelf life: 6 months in sealed condition

SAFETY PRECAUTIONS

- Use appropriate PPE (gloves, mask, safety goggles) during handling and application
- Avoid direct contact with skin and eyes; in case of contact, rinse with plenty of water

DISCLAIMER

This product is intended for non-structural ground-supported concrete floor repairs. If used for load-bearing applications, prior approval from a qualified structural engineer is mandatory. The manufacturer is not liable for application procedures. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update technical specifications and modify the product without prior notice.

For further details, please contact our technical support team.

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