



# N 18 Mortar

## Three Component Epoxy Mortar

Pack Size  
21Kg

## TDS Technical Data Sheet



### Product Description

CLI N 18 Mortar is a robust three-component system that includes an epoxy resin, hardener, and selected graded filler. This system is formulated to be tough and resilient, offering superior performance compared to traditional concrete. It is designed for floor repairs or resurfacing applications and is a 100% solid, solvent-free system. CLI N 18 Mortar can be applied at a thickness of 5-10 mm and conforms to ASTM C-881-90 Type II & IV, Grade 1, Class B & C standards.

### Advantages

- Provides a non-absorbent, non-dusting, and chemical-resistant surface.
- Dries within eight hours, allowing foot traffic.
- Offers high tensile and compressive strength.
- Solvent-free with no VOC emissions, ensuring compliance with environmental regulations.

### Applications

- Warehouses
- Dairies
- Service Stations
- Chemical Plants
- Metal Treating Plants
- Machinery Service Areas
- Food Processing and Rendering Plants
- Concrete Runways
- Joint Arises in Highways

### Application Methodology

1. Ensure the concrete surface is at least 28 days old.
2. The surface must be sound, clean, and free from dust, laitance, and other contaminants.
3. Remove any oil, grease, or similar substances by acid etching or burning, and allow the surface to dry.
4. Prime the textured surface with a suitable primer using a brush or roller.
5. Mix Component B (Hardener) into Component A (Resin) thoroughly using a drill mixer fitted with a suitable paddle until a homogeneous mix is achieved. After mixing, add Component C (Filler) and continue mixing for an additional 2 minutes or until all aggregate pieces are completely coated with the epoxy.
6. Apply the mortar immediately to the prepared surface.

## Characteristics

Compressive Strength (MPa):	1 Day: 40-50 7 Days: 70-80
Working Time (at 30°C):	30-40 Minutes
Flexural Strength (MPa)	: 25-27
Tensile Strength (MPa)	: 14-16

## Cleaning & Maintenance

Clean all tools immediately after use with Xylene. Do not allow the material to harden on tools.

## Health & Safety

- Use protective goggles and hand gloves during application.
- Clean hands with warm soap and water after application.
- Avoid direct contact with skin and eyes.

## Packing

Available in a 21-kg pack:

- Part A: 4 kg
- Part B: 2 kg
- Part C: 15 kg

## Storage and Shelf Life

Store in a cool, dry place under a shed, away from heat sources. The product has a shelf life of 9 months in its original unopened and sealed condition.

## Pack Size

21Kg



## Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

## Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

## Legal Disclaimer

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