



#### 1.0 Description:

- CRETREP 70 is a specially formulated repair mortar designed for structural restoration of concrete and masonry surfaces.
- Two-component system: Component A is a liquid and Component B is a powder.
- Can be applied on vertical, overhead (soffit), or inclined surfaces.
- Suitable for repair thicknesses from 3 mm up to 5cm in a single application.
- Provides excellent adhesion and high mechanical strength.

#### 2.0 Uses:

- Structural repair of concrete with layer thicknesses up to 5cm.
- Adhesive mortar for fixing tiles and ceramic to cementitious substrates, particularly in swimming pools and water tanks, as it is unaffected by continuous water exposure.
- Repairing concrete surfaces prior to waterproofing.
- Cove forming between vertical/horizontal surfaces (e.g., pools, tanks)

#### 3.0 Approval & Certification:

Maybe available upon request

#### 4.0 Colours:

Grey / white Cementous colours

#### 5.0 Product Data:

Binder : Hydraulic + acrylic copolymer  
Solid Content (Powder + Liquid) : 86±2 %

#### 6.0 Consumption per coat:

Consumption (Powder + Liquid) : 2.0 kg/m<sup>2</sup>/1mm

#### 7.0 Surface Preparation:

For Floors:

- Substrate shall be Reinforced concrete with dimension and steel reinforcement suitable for the expected loads.
- Stress shall not be less than 300 kg/cm<sup>2</sup> or according to project specification.
- Expansion & contraction joints shall be suitable to concrete slab dimensions and filled with the suitable joint sealant.
- Application of Expansion & contraction joints shall be put into consideration
- Suitable trowelling should be taken into consideration because:
- Curing concrete with water for minimum 7 days after casting.
- Deviation in levels of the concrete floor shall be within acceptable limits.

Preparation of Concrete Surface after curing:

- Substrate should be free of oil grease, dust, or any other dirt.
- Surface should be blasted using disc Grinder or similar equipment to increase the surface area for maximum adhesion of proceeding layers.
- All weak or separated layers in concrete should be removed.

For Wall substrate:

- Substrate should be free of oil grease, dust, or any other dirt.



- All weak or separated layers in concrete should be removed.

#### 8.0 Application Methods:

1. Put Liquid in a suitable container.
2. Add CRETREP 70 powder to the liquid & mix well, till you get a homogenous consistency.
3. Apply CRETREP 70 with the suitable tool for the required application.
4. For Floor Repair apply CRETREP 70 till thickness 5cm.
5. Repair construction joints using CRETREP 70.
6. Repair around inlet & outlet drainage and water supply tubes if exist using CRETREP 70
7. Applying cove between vertical and horizontal surfaces and between each two vertical walls-  
Repairing construction joints in swimming pools and water tanks.
8. Repairing of all concrete defects and damaged areas.
9. Clean tools immediately after application using water.

#### Notes:

- *Temperature of the substrate should be min 10°C and below 40°C.*
- *Good ventilation should be ensured*

#### 9.0 Product mixing Ration by weight:

Powder : Liquid	: 7.0 : 1.0	by weight
Container	: Double Sealed plastic bags + plastic jenkins	
Total weight	: 5kg, 25kg	kg

#### Notes:

- *Slow Mechanical Mixing is recommended*
- *Mixed components should be transferred to a third container and remixing should take place to reach ultimate results*

#### 10.0 Pot life, Drying and curing time:

Initial Curing Time	: After 24 hours of mixing.
Curing Treatment	: Moist curing is recommended for the first 24 – 48 hours according to ambient temperature.
Final Curing Time	: After 28 days at ambient temperature.
Pot Life	: 30 min. at 24°C

### 11.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

### 12.0 Handling of Cement Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

### 13.0 Compatibility:

- Primers applied prior to specified product shall always be acrylic or cement-based products.
- Finishing layers can be cement, acrylic, alkyd, epoxy or polyurethanes products.

### 14.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

### 15.0 Storage:

- Store above ground and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & in dry, cool, and well-ventilated place.