



1.0 Description:

- One component non shrinkage cement base ready mix repairing mortar used for repairing cement substrata.

2.0 Uses:

- Repairing for all cement or concrete works for thickness up to 5cm.
- Repairing and preparing concrete structures specially before proofing.
- Hard screed layer to industrial floors free of joints thickness up to 5 cm area up to 50m<sup>2</sup>.
- Grouting mortar for bolts, base plates due to its low shrinkage.
- Adhesive of tiles to tiles.
- Cove forming between vertical/horizontal surfaces (e.g., pools, tanks)

3.0 Approval & Certification:

Compressive strength	: EN 1015-11
Flexural Strength	: EN 1015-11
Linear Shrinkage	: ASTM C157

4.0 Colours:

Grey / white Cementous colours

5.0 Product Data:

		<u>7 days</u>	<u>28 days</u>	
Compressive strength	:	33.20	47.50	N/mm <sup>2</sup> (water ratio 10.5%)
Flexural Strength	:	6.60	7.90	N/mm <sup>2</sup> (water ratio 10.5%)
		<u>4 days</u>	<u>11 days</u>	<u>18 days</u>
Shrinkage in Length		0.057%	-0.075%	-0.100%
				<u>25 days</u>
				-0.118%

6.0 Consumption per coat:

Consumption : 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 water in a suitable container. (Water ratio ~ 12%) (app 3liter/25 kg powder)
2. Add CRETREP 70P to the water & mix well, till you get required consistency.
3. Apply CRETREP 70P with the suitable tool for the required application.
4. For Floor Repair apply CRETREP 70P till thickness 5cm.
5. Repair construction joints using CRETREP 70P.
6. Repair around inlet & outlet drainage and water supply tubes if exist using CRETREP 70P
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:

CRETREP 70P : Water	: 25 : 3	by weight
Container	: Double Sealed plastic bags	
Total weight	: 5kg, 25kg	kg

Notes:

- Slow Mechanical Mixing is recommended
- Mixed component and water 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.