



1.0 Description:

- COBRASEAL is a two components, cement-based product.
- Characterised by high elasticity, excellent cohesion and adhesion.

2.0 Uses:

- Due to its high elasticity, is applicable on different structures including those subject to thermal movement and vibration.
- Water proofing and protection of Water structures under pressure, like water storage tanks, swimming pools, concrete pipes, bridge parapets, water canals, etc.
- Water proofing and protection of walls and floors in basements, terraces and balconies
- As a water proofing layer on tiles substrates.
- In joint sealants especially in roof tiles.

3.0 Approval & Certification:

Maybe available on request

4.0 Colours:

Grey Cementous colours

5.0 Product Data:

Binder	: Hydraulic Bond	
Ph	: 10 -12	
Density	: 1.24	gm/cm <sup>3</sup>
Solid Content	: 75%	

6.0 Film Thickness:

*Film thickness depends on the application system*

7.0 Consumption per coat:

As proofing paint	: 1.00 - 1.25	kg/m <sup>2</sup> /coat
As joint sealants	: 1.24	kg/m <sup>1</sup> for 1cm thickness & 1cm depth

*Note: Above consumptions depend on application system*

8.0 Surface Preparation:

1. Conventional concrete curing compounds should be removed before application.
2. Any concrete treatment shall be removed before application.
3. Substrata should be cleaned from oil. Grease, dust ....
4. Spelled concrete should be cut back until reaches sound concrete and repaired with suitable repairing mortar.
5. Substrate surface temperatures are above 5°C and lower than 35°C,
6. Damaged areas shall be repaired using the suitable mortar.
7. Construction joints should be repaired using suitable mortar.
8. Clean substrate before application.
9. Wet substrate before application.

## 9.0 Application Methods:

### 9.1 As Proofing:

1. The substrate should be cleaned and wetted.
2. Put comp. (A) liquid in suitable container & Add comp. (B) powder to comp. (A) with continuous stirring till you get a viscous homogenous paste.
3. Damp the substrate with water and be sure that no spots of water exist.
4. Using a brush apply the COBRASEAL on the substrate (concrete tile...etc).
5. In case the substrate is smoothed and levelled use a small trowel, to spread the layer.
6. Second coat can be applied if required.
7. Clean tools right after finishing.

### 9.2 As Joint Sealant:

1. Prepare the expansion joints as follows:
2. Clean the joint carefully and remove any loose particles or any foreign material.
3. Fix up back filler or back rod to the required depth. (depth = 2/3 from width).
4. Damp the vertical sides of the joint with water before application.
5. Follow up the steps from 1– 4 in previous application.
6. Pour the COBRASEAL slowly in the joint (max. 1cm daily till you reach the required depth)
7. Smooth slowly with a sharp edge tool perpendicular to the joint.
8. Leave the joint to cure for several days according to the thickness applied.
9. Clean tools right after application with water.

#### Notes:

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

## 10.0 Weight and Product mixing Ration by weight:

Powder : Liquid	: 1.00 : 1.00	by weight
Container of Powder component	: Double Sealed plastic bags	
Container of Liquid component	: Plastic Jerkin	
Total weight	: 5kg, 10kg	kg

#### Notes:

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

## 11.0 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
Recoating	: after 24 hours

## 12.0 Curing:

- 1st setting of COBRASEAL depends on the thickness of the layer. (1 day /1mm thickness).
- AS with all cement-based products In severe heat or wind, protection is recommended.
- Protect newly applied products against direct sunlight, wind, rain and frost.

### 13.0 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.

### 14.0 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.

### 15.0 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.

### 16.0 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.

### 17.0 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.