

## Proofing

## CRETEROOF P

### Cement Based Proofing Coat



### General Properties:

- **CRETEROOF P** is one component cement based powder product specially formulated for water proofing to rigid constructions, concrete, brick work and stone work.
- High quality non toxic, suitable for potable water tanks and swimming pools.
- Has breathing properties. Excellent cohesion and adhesion to substrate.
- Works as proofing against positive and negative pressures.

### Uses:

As Proofing to basements, potable water tanks, swimming pool, water structures, roofs and bathrooms.

### Substrate Conditions:

- The substrate should be sound concrete class B<sup>10</sup> (minimum requirements).
- Generally the substrate should be free of structural cracks.

### Application:

1. Clean substrate from any foreign materials, remove any loose aggregates.
2. Wear gloves and eye goggles before working.
3. Repair substrate before proofing, using repair mortar **CRETEREP V.P/V.P** as follows:
  - Fill any gaps and repair bared steel bars. - Clean and repair construction joints.
  - Apply corner fillets radius 4cm between walls and floors and construction joints one shot layer.
  - Repair and fill around all inlet, outlet tubes and electrical accessories.
4. Wet substrate with water before application.
5. Put water in a suitable container (about 22% of powder wt) then gradually add the powder.
6. Continue mixing for 3 minutes, leave for 3 minutes, and remix to get homogenous slurry, free of lumps.
7. Apply 2 coats (one coat daily in opposite directions).
8. For deep water (in case water head is more than 3m) it is recommended to apply a third coat.
9. Keep stirring during application.
10. Clean tools immediately using water after application.
11. Cure the surface using water for 2 – 3 days.

**Note:** 1- **CRETEROOF P** can be applied as one shot layer using a trowel with thickness from 2-3 mm, in this case water ratio should be decreased to get the suitable consistency for troweling, and approximately water ratio is (13.5% from powder weight).

### Technical Data:

	Troweling application	Flowable application
<b>Compressive Strength (After 7 Days) ASTM C109</b>	40 kg/cm <sup>2</sup>	24 kg/cm <sup>2</sup>
<b>Water ratio</b>	13.5%	22% (by weight).
<b>Pulloff Strength</b>	: 1.5 N/mm <sup>2</sup> ASTM D4041 (Pulloff test) (After 7 Days).	
<b>Consumption</b>	: 1.0 – 1.2 kg / m <sup>2</sup> /one coat (depends upon the substrata roughness).	
<b>Porosity</b>	: Has breathing property (can be applied on wet substrata).	
<b>Toxicity</b>	: Non-toxic.	
<b>Pot Life</b>	: At 20°C 60 min.	
	: At 30°C 30 min.	
<b>Shelf Life</b>	: 12 months in closed container and away from sunlight and humidity.	

**Environment:** - **CRETEROOF P** is non toxic and suitable for potable water structures.  
- Boots, rubber gloves, dust masks, and safety goggles. REF TO (MSDS).

**For more information please contact our technical department**

Head Office: 21 Takseem El Awkaf – EL Sawah Sq. Cairo – Egypt  
Tel: 002 / 02 24030678 – 24030679 Fax: 002 / 02 24038981  
Web site: [www.yasmomiser.com](http://www.yasmomiser.com) E-mail: [yasmo@yasmomiser.com](mailto:yasmo@yasmomiser.com)