

# PerProof 10

## Liquid waterproofing additive for concrete and mortar

### Description

(Perproof 10) is a waterproofing additive for concrete and mortar with normal plasticizing property in liquid form

(Perproof 10) is a blend of specialty active ingredients to make concrete waterproof when there is permeability through hydrostatic pressure or capillary absorption

### Fields of application

- Waterproofing renders in water tanks, basements, roofs and whenever hydro-insulation is a must
- Watertight concrete
- As a waterproofing system with (PerRapid) for leaking

### Advantages

- Is highly effective in reduction of permeability due to hydrostatic head pressure or capillary action or both
- Segregation and bleeding are substantially reduced due to increased cohesion

### Technical data

Color	White
Density (at 25°C)	1.050± 0.05 kg/lit
PH	7 ± 1

### Surface preparation

- Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean
- Rough surfaces are to be evened or filled first
- Building surfaces must be constructed to manufacturer's recommendations and relevant building standards

- All surfaces are to be free of sharp protruding surfaces, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains
- Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods
- Surfaces must be wetting before application

### Directions for use

- **As a waterproofing admixture for mortar:** Adding (Perproof 10) to mortar for will increase the water tightness yet it will maintain the breathing of the structure.

Dilute 1:10 with the water; dosage should be around 2.25 kg per 50kg of cement.

- **Increasing of water tightness for Concrete:**

(PerProof 10) can be used to produce watertight concrete. The concrete should contain a minimum 400 kg/m<sup>3</sup> of cement and a maximum W/C ratio of 0.5, the standard dosage of (PerProof 10) in concrete is 9 liters per cubic meter. (PerProof 10) can be used with the water-reducing plasticizer (PerProof 10).

- **(PerProof 10) plaster to resist moisture:**

Apply the first coat of a 1: 1 (cement sand) mortar with (PerProof 10).

Apply the second coat as soon as the first coat has hardened (4-5 hours). The third coat should be 1: 2.5 (cement sand) with (PerProof 10).

- **(Perproof 10) Plaster to resist water pressure:**

Dilute Perproof 10 by 1:10 with water

To form the desired consistency for the application. Same procedure as the moisture resistance but with adding a forth layer of plaster for high pressure waterproofing.

# PerProof 10

## Packaging

(Perproof 10) is supplied in pails of 5 kg and 20 kg, in drums of 200 kg

## Storage

Shelf-life is at least 12 months in sealed and undamaged original containers, in areas protected from direct sunlight and frost

Any inadequate storage procedure will lead to unexpected failure of the product or of the packaging

## Safety precautions

(PerProof 10) has no danger in transport  
Non-toxic and non-flammable  
Follow environmental laws and lack of dumping waste material in the soil or waterways