

CemProof 115

Multi-Purpose Waterproof Slurry

Description:

CemProof 115 is a two component polymer modified, Cementitious, waterproofing osmotic slurry composed of a blend of selected quartz, special hydrophobic agents and synthetic resins. It adheres strongly to the substrate, and is user friendly. It is slightly flexible and able to follow small deformations of the structure. The product is suitable for use in hot tropical climates.

Uses:

CemProof 115 is used for the waterproofing of concrete structure against positive water pressure (swimming pools, water reservoirs, foundation walls, dams, etc.) and negative hydrostatic water pressure (manholes, elevators shafts, sewage works, etc.).

Further, backing of stone and granite facades to prevent the ingress of water and prohibit the appearance of efflorescence.

Advantages:

CemProof 115 complements a comprehensive system for the waterproofing of water containing structures, and offers the following advantages:

- ✦ Simple application methods brush or trowel.
- ✦ Tenacious adhesion to sound substrate.
- ✦ Pre-batched components do not add water.
- ✦ Impermeable.

- ✦ Allows water vapor to escape from the structure (Breathable system).
- ✦ Non toxic – ideal for potable water tanks.
- ✦ Covers pin holes in concrete effectively.

Properties:

Mixed density	1.9 gm/cm ³ (brushable consistency)
Color	Cement Grey
Compressive strength (cured)	30-35 N/mm ²
Flexural strength (cured)	10-11 N/mm ²
Component A	White liquid
Component B	Grey powder

Preparation of the Surface:

- ✦ The surface must be perfectly clean, solid, and free from grease.
- ✦ New or smooth surfaces should be roughened.
- ✦ Friable and non-adhering parts of the substrate, traces of stripping oils, old varnishes, must be removed by brushing or by water under pressure.
- ✦ Prior to application, the surface must be wetted to saturated surface dry (SSD) condition.

Instructions for Use:

- ✦ **CemProof 115** can be applied by brush (slurry) or by trowel (mortar). For application with a brush, 2 coats are required. Always apply the second coat when the previous coat has hardened. Under normal conditions, always wet the previous coat when exceeding 24 hours between coats. For a brushable consistency and ease of application on site, you can add up to 5% of clean water by weight. As for a trowelable mortar applied by trowel use only maximum of 90% of component A.
- ✦ Whilst the substrate is still wet, apply the first coat. As soon as this has hardened, apply the second coat to ensure a proper bond between coats.

Mixing:

- ✦ Stir component A (liquid) thoroughly before pouring into a clean mixing container. Add component B slowly while mixing continuously. Use slow speed mixer for at least 3 minutes (max. 500 rpm) to avoid entrapment of too much air. Suitable mixing equipment's are basket type mixers with one or two arms, forced action or stand type mixers.

Cleaning:

- ✦ Clean mixing vessels and application tools immediately with water. Remove hardened mortar mechanically.

Estimating:

Supply

- Industrial kit : 23 kg pack (two components)
- Liquid A : 5 kg pail
- Powder B : 18 kg bag

Coverage:

- 1.0-1.5 kg/m² per coat for brush application.
- 1.5-2.0 kg/m² per coat for trowel application.

Note:

The coverage figures are theoretical and also do not include wastage & depend on nature of substrate.

Shelf Life/ Storage:

CemProof 115 has a shelf life of 12 months if stored in dry conditions in unopened original packing.

Safety Precautions:

CemProof 115 does not fall into the hazard classification of current regulations. However, it should not be swallowed or allowed to come into contact with eyes. Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.