



HEST

HESTPROOF CW®

Polymer Modified Cement Base Waterproofing Slurry

Product Description

HESTPROOF CW® features a distinctive mix of organic and inorganic compounds, creating a free-flowing waterproof coating. This coating excels in waterproofing, adheres superbly to concrete and masonry, and boasts remarkable durability. Additionally, it can be produced using sulfate-resistant Type V cement...

Application

- Waterproofing for concrete, blocks, bricks, stones, and other masonry surfaces, both inside and outside, whether below ground level
- Suitable for waterproofing water reservoirs, tunnels, swimming pools, basements, and cellars.
- Can be used as a waterproof backing plaster for limestone panels

Advantages

- Easy to use, pre-packed in a convenient and easy-to-handle pack.
- Easy to apply by brush, trowel, or spray application, normally in two coats with minimum surface preparation, and can be applied to damp surfaces.
- Non-toxic when cured and is certified for use in contact with potable water.
- Excellent over-coating properties with other specialty membranes in the HEST range to provide further protection and aesthetic quality.
- Excellent adhesion to the porous and non-porous concrete masonry substrate, as it penetrates deep into pores, bonds tenaciously, and becomes part of the surface.
- Good abrasion resistance.
- Corrosion inhibits and accelerates the re-passivation of steel and provides a dense highly alkaline protective coating with high resistance to diffusion of carbon dioxide gas.
- Breathable
- Prevent build-up of water vapor but seals the surface against water penetration.
- Durable, Last as long as the concrete

Technical Properties

Pot Life	30 - 40 min at 23°C
Bond Strength	1.1 - 1.2 N/mm ² ASTM C 1042
Compressive Strength	31 - 32 N/mm ² ASTM C 942
Flexural Strength	11 - 12 N/mm ² ASTM C 580
Water Permiability	2 - 3 Bar
Tensile Strength	19 - 20 N/mm ² ASTM C 190
Packaging	HESTPROOF CW® Powder is 20 Kg HESTPROOF CW® Liquid is 5 Kg
Coverage	Approximately 1.0 - 1.25 Kg/m ² / layer depending upon the porosity of the surface. 2 coats is a must .
Shelf Life	Shelf life is at least 12 months, in original sealed containers, also it must be protected from direct sunlight.

Surface Preparation

- Ensure that surfaces intended for HESTPROOF CW® application are clean, stable, and free from dust, loose particles, grease, oil, curing compounds, mold oils, old primers, or bitumen.
- Remove bitumen or primers using shot blasting or other mechanical methods.
- Repair spalled concrete by cutting back to solid concrete and patching with the HESTREP range.



Mixing

- HESTPROOF CW® comes in pre-measured quantities.
- Gradually combine 20 kg of HESTPROOF CW® powder with 5 kg of HESTPROOF CW® liquid in an appropriate mixing container, stirring until the mixture is smooth and free of lumps.
- Avoid adding water or attempting to rework a hardened mix by adding water.
- Allow the mixture to sit for 10 minutes, then re-mix using a drill paddle designed to minimize air entrapment.

Application

- Moisten the surface just before you start applying.
- Avoid using HESTPROOF CW® as a thin paint layer; instead, spread it on the wall and smooth it out.
- If the wall dries out or HESTPROOF CW® begins to drag during application, re-moisten the wall.
- Do not dilute the material.
- Allow the coating to dry for 5 days before adding water.

General Precautions

- Care should be taken when curing in hot, sunny, or windy conditions.
- Do not apply when the temperature is 5 °C or due to fall below 5 °C within 24 hours.
- Pot life at 23 °C approx. 30 - 40 min.

Cleaning

Application tools should be washed with soap and water immediately after use

Health and Safety

- Use goggles, gloves, and a breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Remove splashes from the skin with hand cleaner or soap and water.
- Eye splashes are to be washed with plenty of water.
- If ingested seek medical advice.

Additional Information

HEST provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. HEST designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction. HEST reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. HEST extends technical services to include after-sales support to assist users in the proper handling of our products.

