

TECHNICAL DATA SHEET

EuroCrete CCW-M

Crystalline Capillary Waterproofing System

PRODUCT DESCRIPTION

EuroCrete CCW-M is a blend of Portland cement, well-graded sands and active chemicals. It is used for waterproofing for all masonry and concrete. **EuroCrete CCW-M** is quality-controlled and supplied ready-to-use on site.

AREAS OF APPLICATION

- * Reservoirs
- * Subway tunnels
- * Water retaining structures
- * Office building, foundation, parking deck and planter box
- * Basements
- * Bathrooms, toilets and kitchens
- * Sewage and water treatment plants and/or tanks

PRODUCT FEATURES

EuroCrete CCW-M when applied to concrete cause a chemical reaction in the pores and capillaries of the substrate. The reaction produces non-soluble fibrous crystalline throughout the concrete to which it is applied.

- * Works on positive and negative pressures. Waterproofs from inside against hydrostatic pressures.
- * Can be applied to moist concrete surface.
- * It becomes integral part of the concrete.
- * Easy to apply.
- * Protects concrete and reinforcing steel bars. Avoids water condensation and allows passage of air.
- * Is non-toxic; suitable and recommended for water tanks.
- * Excellent adhesion bonding to porous and non-porous surfaces.

TECHNICAL DATA

| TYPICAL | TEST | METHOD |
|--|---|-----------------|
| Compressive Strength | 11.5 N/mm ² (1 day) 35 N/mm ² (7 days) 48 N/mm ² (28 days) | ASTM C-109 |
| Flexural Strength | 6 N/mm ² (1 day) 9 N/mm ² (7 days) 12 N/mm ² (28 days) | ASTM C-343 |
| Water vapor Permeability | 15/g mm ² / day | |
| Adherence Strength | > 2.5N/mm ² | |
| Weather | examination | ASTM 0822 & G23 |
| Resistant revealed no chalking, cracking, scaling, blistering and other defects. | | |

INSTRUCTIONS FOR USE

Surface Preparation

Prior to application of **EuroCrete CCW-M**, surfaces must be thoroughly wetted with water. All surfaces to be coated must be clean and structurally sound. Remove all dirt and contaminants. Water-blasting is fully recommended for surface preparation; it will mechanically clear and roughen the surface.

Mixing and Application

Mixing for slurry coat approx. 7 — 8 liters of water is required for every bag of 25 kg **EuroCrete CCW-M**. Mix using a low rpm mixer until a quite thick paste consistency is obtained. For good results, add clear potable water to **EuroCrete CCW-M** and not the reversed. **EuroCrete CCW-M** can be applied as dry shake for newly poured concrete or slurry coat for existing concrete. **EuroCrete CCW-M** may be applied with a brush broom or plaster sprayer at a rate of 0.8 — 1.1 kg/ m². Apply second coat if required, when first coat has an initial set (within one hour). Moisten the surface before applying the second coat.

Curing

Under extreme temperature or windy conditions, cure the surface with clean water only. Depending on the climate, more frequent spraying may be required to keep **EuroCrete CCW-M** moist to allow crystal formation to occur.

Cleaning

EuroCrete CCW-M should be removed from tools and equipment immediately after use with clean water.

PACKING

EuroCrete CCW-M is available in 25kg heavy duty bags.

STORAGE

The shelf life for **EuroCrete CCW-M** in unopened and undamaged packaging is 6 months. Store the product in dry conditions and protect from contact with any water.

SAFETY PRECAUTIONS

EuroCrete CCW-M is non-flammable. **EuroCrete CCW-M** contains cement powders which if damp or mixed with water, will release alkali which can be harmful to the skin and also avoid inhalation of dust. In case of contact with skin wash off with a lot of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. When using **EuroCrete CCW-M**, wear suitable gloves and eye protection.