

# CemenTech C2 Duo

## TWO-COMPONENT CRYSTALLIZED WATERPROOFING MORTAR

### SMART ADVANTAGES

- Crystallized, both positive and negative side
- Penetration into the concrete
- Excellent adhesion

### PRODUCT DESCRIPTION

It is cement based, two- component, brush consistency, red colored cementitious compound and white colored liquid emulsion sealing slurry that is reinforced by polymeric additives, and that is used in the solution of problems arising from capillary effects. It is used in both positive and negative side of waterproofing of terraces, foundations and basements. CemenTech C2 Duo creates crystals that don't melt within water when it reacts with water and renders the concrete water-tight permanently upon penetration of these crystals into the capillary vessels of the concrete.

### APPLICATION AREAS

- Both in positive and negative sides,
- On walls, grounds or ceilings,
- In continuously wet, humid and damp areas such as balcony, terrace and cellar,
- Water tanks, pools, reservoirs and storage tanks,
- In foundations, external walls of cellars, underground and surface construction works,
- In amelioration, restoration and renovation works of old structures

### FEATURES

- Reinforced with polymeric additives.
- Produces crystals that do not melt in water when reacted with water.
- Resistant to heavy weather conditions.
- Features hydraulic adhesion quality.
- Used in any kind of bonded and plastered surface such as stone and stone-derivative brick, pumice brick, briquette, aerated concrete, limestone, etc.
- Prevents wetness and water accumulation on cement-based plastered surfaces.
- Prevents humidity and moisture permanently and eliminates unpressurized and weak water leakages.
- Protects surfaces against destructive effects of humidity and moisture.
- Inflammable.

### PREPARATION OF THE SUBSTRATE

- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint etc.; residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- Surface should be slightly dampened before application.
- Active water leakages should be clogged before application with Bostik CemenTech X.

### APPLICATION

- Powder form Bostik CemenTech C2 Duo Waterproofing Mortar should be poured slowly on liquid component (9 kg) that has been put into a clean container and should be mixed by means of a mixer with low cycle until a cluster-free mixture is obtained. Mixture duration should be



### TECHNICAL DATA

Color	Light red
Applicable Thickness (mm)	Max 5
Recommended applicable thickness (mm)	2
Dry Unit Volume Weight	1,3 ± 0,2 (kg / lt)
Wet Unit Volume Weight	1,8 ± 0,2 (kg / lt)
Waiting Time in Container	~ 30 (min)
Drying Time (hour)	~ 24
Adhesion Strength (28 days)	> 1,5 (N / mm <sup>2</sup> )
Special mixture emulsion amount (for 25 kg dry powder component)	9 kg (white colored liquid emulsion)
Application temperature	Between +5°C and +35°C
Resistance of hardened coating	Between -25°C and +80°C

Technical data are approximately provided according to a temperature of + 23°C and a relative humidity of 50%.

minimum 5 minutes. The mixture obtained at the end of the process should be rested for 3 minutes and mixed again until it becomes homogenous for 2 minutes.

- Bostik CemenTech C2 Duo Waterproofing Mortar emulsion should be shaken well before use.
- Application should be at least two layers thick. After applying the first layer, at least 4-6 hours should be rested and second layer should be applied before waiting period exceeds 24 hours.
- The cracks that might be formed in the event of application to very wide surfaces should be prevented by means of application by leaving joints. Joints should be filled with flexible filling material.
- On the moving grounds that have cracking risk, Bostik FlexMesh net can be applied as an intermediate layer between the application with the aim of forming a water isolation layer which is more flexible in order to cover the tensile stress.
- It shouldn't be applied to hot or frozen surfaces directly.

## APPLICATION WITH MACHINE

CemenTech C2 Duo is suitable for use with sprayable machine. Consult Bostik Technical Service for machine use.

## AFTER APPLICATION

- Freshly applied surfaces should be protected against direct sun light, strong air stream, high air temperature (above +35°C), rain and frost in the initial days (at least 5 days).
- Any kind of plaster application on the application surface or ceramic tiling works, etc. works should be performed 3 days later.
- To obtain the recommended long term technical performance of the product, after the completion of the all application, the application and/or work should be covered and protected with a suitable coating or covering (plaster, screed, ceramic, tile etc...) as early as possible (depending on the product's drying time within 3-7 days).

## COVERAGE

Approximately 1,5 – 2,0 kg/m<sup>2</sup> per each 1 mm thickness. Coverage amounts are theoretical values and it is recommended that coverage-controlled sample application is carried out before application.

## PACKAGE

Powder component in 25 kg craft bag, 64 sets in 1 palette  
Liquid component in 9 kg plastic drum.

## STORAGE

- Dry mortar bags should be protected for water, frost and adverse weather conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

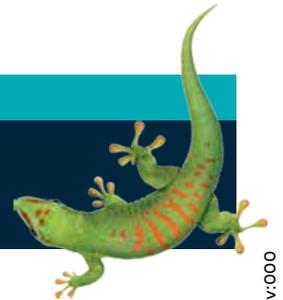
## HEALTH AND SAFETY INFORMATION

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Safety Data Sheet.



**BOSTIK HOTLINE**

**Smart help**  
**444 10 99**



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