

# CemenTech C1

## One-Component Waterproofing Mortar

### Product description:

It is cement based, one-component, plaster consistency, grey-colored waterproofing mortar that is reinforced by polymeric additives and used in the solution of problems arising from capillary effects. It provides water insulation in garages, terraces, foundations and basements. CemenTech C1 is water-repellent and can be used from the positive side only.

### Application areas:

- In exterior,
- On walls and grounds,
- In continuously wet, humid and damp areas such as garage, 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,
- In any kind of bonded and plastered surface such as stone and stone-derivative brick, pumice brick, briquette, aerated concrete, limestone, etc.

### Features:

- Reinforced with polymeric additives.
- Resistant to heavy weather conditions.
- Features hydraulic adhesion quality.
- 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.

### Technical data:

Color	Grey
Applicable Thickness (mm)	Max 6
Dry Unit Volume Weight (kg / lt)	1,6 ± 0,2
Wet Unit Volume Weight (kg / lt)	1,7 ± 0,2
Waiting Time in Container (min)	~ 30
Drying Time (hour)	~ 24
Compressive Strength (28 days) (N / mm <sup>2</sup> )	≥ 30
Bending Strength (28 days) (N / mm <sup>2</sup> )	≥ 4
Adhesion Strength (28 days) (N / mm <sup>2</sup> )	≥ 1,5
Mixing water amount (for 25 kg dry mortar)	5,5 – 6,0 lt
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 + 20°C and a relative humidity of 50%.

### Preparing 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.
- Aerated concrete, reinforced brick walls and other substrates with similar absorbent features should be dampened a few times.

**Application:**

- Powder form Bostik CemenTech C1 Waterproofing Mortar should be poured slowly into a clean container filled with water in suitable ambient temperature and should be mixed by means of a mixer with low cycle until a cluster-free mixture is obtained. Mixture duration should be 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.
- Density amount and freezing time of the product vary according to the emulsion amount.
- The mixture should be applied on the surface with a spatula or a steel trowel in at least two layers.
- The mortar that is freshly prepared with Bostik Cementech C1 Waterproofing Mortar should be used within 30 minutes at the latest.
- Regardless of the aim of the usage, the application thickness should not be less than 2mm or more than 6 mm.
- Application should always be in two layers. The first layer may be applied with a brush and the second layer with a laying trowel.

**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.
- Any kind of plaster application on the application surface or ceramic tiling works should be performed 3 days later.

**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 bags in 1 palette (1600 kg/palette)

**Storage :**

- Dry mortar bags should be protected for water, frost and adverse weather conditions.
- They should be kept dry and cool on wooden pallets.
- 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.

**Risk Marks:**

**R23/24/25** : Poisonous when inhaled, swallowed and contacted with skin.

**Security signs:**

**S2:** Keep out of reach of children.

**S3:** Keep cool.

**S9:** Keep the package dry.

**S26:** Rinse with water thoroughly when contacted with eyes and consult a doctor.

**S28:** Rinse with water thoroughly when contacted with skin and consult a doctor.

**S29:** Do not throw in the drain.

**S36/37/39:** Wear suitable protective clothing, protective gloves and glasses / mask during the operation.

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BOSTIK is only responsible for the product quality and cannot be held responsible for its mis-use except for the recommendations regarding where and/or how the product shall be used. This technical bulletin hereby is valid until it is renewed. BOSTIK's right to amend the products in accordance with technical developments is reserved.



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