

# Chelfix Brick Mortar 510

Pumice Block and Brick Bonding Mortar

## Product Description

Cement-based, ready-to-use Pumice block and brick bonding mortar with high adhesion strength.

## Areas of Application

- Indoor and outdoor,
- in industrial applications
- Blocks of bricks and piles.

## Advantages

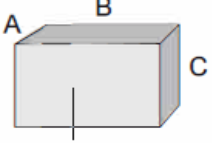
- Ready to use.
- it provides a long working time
- it allows easy mixing and application.
- it can be used easily in horizontal and vertical applications.



## Technical Data

Property:	
Appearance / Color	Grey or white
Application Temperature	(+5°C) - (+35°C)
Mixture ratio	4,5 - 5,0 lt water / 25 kg powder
Mortar Density	~ 1,95 kg/lt
Pot Life	90 minutes (EN 1015-9)
Correction Time	> 4 minutes (EN 1015-9)
Pressure Resistance / Class	≥ 10 N/mm <sup>2</sup> / M10 (EN 1015-11)
Air Content	≤ 20% (EN 1015-7)
Bond Strength	≥ 0.3 N/mm <sup>2</sup> (Chart value) (TS EN 1015-19 – Table C)
Capillary Water Absorption	≤ 0.4 N/mm <sup>2</sup> min 0,5 (EN 1015-18)
Dry Bulk Density	1800 ± 100 kg/m <sup>3</sup> (TS EN 1015-10)
Water Vapor Transmission	15/35 (TS EN 1745 Chart value A.12) (TS EN 1015-19)
Fire Reaction Class	A1 (TS EN 13501-1)

## Consumption Table

	A	B	C	Consumption kg/m <sup>2</sup>
	9	39	24	4-5
	14	49	24	5-6,5
	19	49	24	6-8
	24	49	24	10,5 – 12
	9	39	19	3,5-4,5

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## Application/ Instructions

**Surface Preparation:** The surfaces must be clean, smooth, sound and at the same time level. There should be no oil, dirt and rust on the surface. The wall element should be damp but not water accumulation.

**Mixing:** 4,5 - 5,0 lt clean, clear water received from normal ambient temperature into a clean container which is free from all kinds of materials which prevent adhesion. Chelfix Brick Mortar 510, which is in a 25 kg bag, is poured into the container filled with water. The product is mixed with a low speed mixer until a homogeneous mixture without lumps is obtained. Mixing time should be minimum 3 min. The mortar obtained at the end of the process should be rested for 5 min. and mixed again until it becomes homogenous for 2 min. The sides of the Pumice (Briquette) blocks are filled with adhesive so that there are no gaps. The prepared mortar should be consumed within 4 hours according to the ambient temperatures. After this application, a damp sponge is used to final shape the adhesive. The mortar should be discarded if the shelf life is past or it's crusted.

**Cleaning:** it must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +35°C), rain and frost. The product should be made with clean water without getting hard and cured . Immediately after application, hands and face should be washed thoroughly with soap and warm water.

## Application Notes/ Restrictions

- The product may be irritating to the skin; work clothes, protective gloves, masks and glasses must be used. A protective cream can also be applied before starting. in case of grout contact with eyes, eyes should be washed immediately with warm water and consult a doctor.
- Do not add foreign matter.
- Water should be added to the product that has expired and not be used again.
- Certainly a mixer must be used. Mixtures made with shovels, trowels, etc. will get more water, and the mortar consistency will be more crushed and will cause burrs and crushing between the blocks. This affects the quality of masonry in the negative direction.
- it must be taken under protection of the environment under conditions of +5°C, covered with nylon or heat insulation plates should be prevented to expose the product to freezing.
- it must be absolutely protected at temperatures above +35°C, enclosed with nylon or laid out with thermal insulation plates to prevent the product from being exposed to sudden water loss.
- Immediately after application, before hardened, the equipment should be cleaned with water. After the product is hardened, it should be cleaned by mechanical methods.

## Packaging

Chelfix Brick Mortar 510 is available in 25 KG kraft bag.

## Storage

Chelfix Brick Mortar 510 shelf life is 12 months in unopened original packaging, in cool and dry environment, protected from freezing.