

# Teknofay 510

## Pumice Block and Brick Bonding Mortar



CE TS EN 998-2

Public Pos. No: 04.478

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

**Areas of Usage**

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

**Features and Benefits**

- 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.

**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. TEKNOFAY 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.

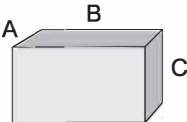
### Storage Conditions

It should be stored in original unopened package, in cool and dry environment, protected from freezing.

### Technical Data

General Information	
Appearance/Color	Grey or White
Shelf Life	12 months
Package	25 kg kraft bag
Application Information	
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 (EN 1015-9)	90 minutes
Correctable Time (EN 1015-9)	4 minutes
Performance Information	
Pressure Resistance / Class (EN 1015-11)	≥ 10 N/mm <sup>2</sup> / M10
Air Content (EN1015-7)	≤ %20
Bond Strength (TS EN 1015-19 Tablo EK C)	≥ 0.3 N/mm <sup>2</sup> (Chart value)
Capillary Water Absorption (EN 1015-18)	≤ 0.4 N/mm <sup>2</sup> min <sup>0,5</sup>
Water Vapor Transmission (TS EN 1015-19)	M 15/35 (TS EN 1745 chart A.12)
Dry Bulk Density (TS EN 1015-10)	1800 ± 100 kg/m <sup>3</sup>
Fire Reaction Class	A1

### 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

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 28 days.

