



CONSTRUCTION CHEMICALS TECHNOLOGIES

PROFILITH

Mortar plasticiser – Lime replacement

Properties

Dark brown liquid additive that gives to cement mortars plasticity, binding power and all the benefits of lime:

- Good bonding of fresh mortar to substrate
- High pot life before setting. This action is mainly due to a great number of tiny air bubbles created and uniformly distributed in the mortar mass.
- Excellent **lime substitute** in mortars, providing all the advantages offered by lime and eliminating all the disadvantages.
- Plasticity and binding power of fresh mortar result in reduction and retaining of the required mixing water.
- Significantly increases the strength of masonry mortars and plaster and therefore the whole structural element.
- In addition to improving workability, the tiny air bubbles also increase hardened mortar's waterproofing and resistance to frost.
- Avoidance of corrosion of the building's metal elements caused by lime.
- Totally eliminates blisters of plaster.
- Is economical, reducing the cost of mortar significantly.
- Solves the problem of lime storage in building sites.

Applications

- **PROFILITH** is ideal aid for producing masonry mortars, plasters, strong coatings, paving, marble-paving etc.
- You can combine **PROFILITH** with the mass waterproofing **VIMAPROOF** for waterproofing mortars.

How to use - Consumption

Add **PROFILITH** into the mixing water of mortar. Its plasticising properties reduce the requirements in mixing water.

1. Masonry and paving mortar

50 g **PROFILITH** per 25 kg cement
For getting 1 m³ of mortar you need:

1 m ³	225 kg	cement
	0,90 m ³	sand
	450 g	PROFILITH

2. Plastering mortars

100 g **PROFILITH** per 25 kg cement
For getting 1 m³ of mortar you need:

1 m ³	250 kg	cement
	0,84 m ³	sand
	1.000 g	PROFILITH

General Remarks

- **PROFILITH** is more effective in terms of workability when mixed with fine sand.
- The use of crushed sand significantly reduces **PROFILITH**'s effectiveness, due to the high content in coarse components.
- Adding more than 0.3% of **PROFILITH** by weight of cement will not improve mortar's properties. On the contrary, adding more than 0,4%, will decrease mortar strength.

Special Information

Storage: In places protected from frost. If frozen, defrost and stir well.