



Technofuge 1

Waterproof liquid waterproofing for concrete and mortar

Description

TECHMOFUGE 1 is a hydrophobic emulsion allows obtain cementitious conglomerates with high waterproofness.

The chemical components produce product drastic reduction of capillary porosity, reducing Consequently, the permeability of the cement paste.

Properties

Introducing the TECHMOFUGE 1 in a cement mix it confers hydrophobic properties (ie water repellency). Hydrophobic characteristics imparted by TECHMOFUGE one make the product can be advantageously used even in the field of concrete consistency "damp earth" in order to prevent efflorescence.

TECHMOFUGE 1 is a liquid product ready for use which is added to the dough at the time of Cement-his preparation in the concrete plant or central prefabricated.

Key Applications

- Concrete consistency "damp earth" (particularly blocks)
- Waterproofing of underground galleries, rafts and channels.
- Coatings damp facades, insulation of walls against moisture.

Advantage

TECHMOFUGE 1 creates a barrier against water constitutes an integrated part of the cement matrix, protecting to concrete and mortar damage the water infiltration.

Indeed, TECHMOFUGE 1 reduces the amount of water capable penetrating through the concrete.

By drastically reducing the flow of water, TECHMOFUGE 1 gives very important in terms of:

- increased durability: to freeze / thaw cycles before cycles of wet / dry
- improved resistance to chemical attack.
- reducing the risk of efflorescence.
- lower probability of reinforcement corrosion.

Quality in the concrete

The use of TECHMOFUGE 1 gets improve the quality overall concrete, for example, workability mass is improved, especially in concrete with low cement content. Obtaining a concrete more "dry" leads to a higher iron protection reinforcements regarding corrosion and against growth fungal and bacterial colonies.

Dosage

The recommended ratio is one function TECHMOFUGE the degree of water repellency, and therefore the desired waterproofing.

By dosing at around 3% by weight of cement Optimal results are obtained in applications for precast concrete, in the case of concretes like consistency "damp earth" can be considered higher dosages.

Dosages above indicated, may incur significant increases air entrapment.

Compatibility of additives

TECHMOFUGE 1 is compatible with other additives Techmo used in traditional concrete technology and concrete consistency "damp earth", however Each additive must be added separately at the time of kneading.



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Cured

It is essential to the proper curing of concrete placed by applying an anti-evaporation membrane, Plastic fabric or an additive anti-evaporation, to prevent premature drying of the same.

It should be noted that, given the characteristics Concrete hydrophobic not effective repeated attempt of bathing in order to complete hydration.

Packaging Type

- Carafes of 6 and 25 kg
- 220 Kg drums
- Container 1000 kg.
- Cistern

Storage Precautions

It is advisable to constantly maintain the product at a temperature not lower than 4 °C.

Avoid frost.

If the product is frozen, it can not recover. We suggest one storage under cover or better in a closed environment.

NOTE:

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