



Rev 0  
11/24

with TEKNAPROOF PPC

# TEKNAPROOF PPC

Plasticizer with water-repellent effect for concretes



## DESCRIPTION

Plasticizing additive with a water-repellent effect with fluidifying and slightly aerating action, ready to use for concrete and cementitious mortars.

## GENERAL FEATURES

It works by dispersing cement particles and the fine parts of aggregates, reducing the amount of water needed to wet their surface. Some of its catalytic components allow good increases in resistance to be obtained even without reducing the w/c ratio. The use of TEKNAPROOF PPC in concrete makes it possible to obtain, compared to a concrete without additives:

- with the same A/C ratio, more workable concrete, therefore great savings in installation;
- with the same workability, significant reduction in the w/c ratio.
- concretes that have an immediate and complete response to vibration operations;
- longer workability time with a slight set-up delay (not hardening);
- Concrete free from bleeding, from volumetric variations of the castings in the fresh state, free from segregation for easy pumping.
- increases in the resistance of the lean;
- perfect and easy-to-obtain surface finishes;
- good degree of waterproofing of the structure.

## FIELDS OF APPLICATION

TEKNAPROOF PPC is used wherever you want to give the cement mixture hydrophobic properties and limit or prevent the appearance of efflorescence on concretes with a earth-moisture consistency.

More precisely for:

- concretes with a moist-earth consistency (and in particular self-locking blocks and screeds);
- waterproofing of undergrounds, tanks and canals;
- façade plasters
- Renovation of wet rooms
- insulation of walls against moisture.

## PHYSICAL PROPERTIES

State:	liquid
Color:	dark brown
Density:	1.15 ± 0.03 g/cm <sup>3</sup>
Ph:	7,5 ± 1
Solubility in water:	total
Chlorides:	absent

TECHNICAL DATA SHEET



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## SPECIFIC

With the use of TEKNAPROOF PPC, concretes are obtained that are more impermeable and therefore more resistant to freeze-thaw cycles. It allows excellent pumpability due to the presence of stable micro-air bubbles, even at very low cement dosages.

Since the product is a strong reducer of the w/c ratio, it is advisable to carefully control the amount of water used as an overdose of this can cause bleeding, segregation and, therefore, cancel the effect of TEKNAPROOF PPC. With the same workability, there is an increase in volumetric yield of up to 5%.

## APPLICATION

TEKNAPROOF PPC is used:

- in road concrete
- in the castings of non-load-bearing external slabs,
- in foundations, slabs
- walls in contact with aquifers,

Use our AETERNUM PROOF to:

- Tanks
- canals
- in marine concrete,
- Pools.

## HOW TO USE

TEKNAPROOF PPC is added, together with our superplasticizer (TEKSUPERFLOW line or SUPERIOR line), to the first mixing water in the concrete mixer, before aggregates and cement. Add the remaining dough water gradually to the desired consistency.

## DOSAGE:

0.5-0.7% on the weight of cement

## PACKS:

5-25 Kg jerrycans  
200 Kg drums  
1150 kg tank  
Bulk in tanks

## LEGAL

The information contained in this technical data sheet, although representing the most advanced stage of knowledge, does not exempt the user from carrying out accurate preliminary tests in his own conditions of use and operation. Therefore, no liability is accepted for improper use of the product.



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