

## BETOZOL



Unit of measurement	Pieces/Pallet	Consumption	Color/other specifications
1 kg/plastic can	12 pcs/box	300-500 gr/100kg Cement	White
5 kg/plastic can	4 pcs/box	--	--
10 kg/plastic can	60 pcs/pallet	--	--
1000 KG/IBC	IBC	--	--



### BETOZOL

Waterproof additive for concrete

#### DESCRIPTION

BETOZOL is a liquid additive that gives concrete waterproofing properties. The product reacts chemically with lime that is formed by cement hydration and creates salts that, on the one hand block the capillary pores but on the other hand give concrete hydrophobic properties. An important feature of BETOZOL is that, compared to other additives of its category, it does not decrease the final concrete resistances. (According to Table 9 of standard ELOT EN 934-2, the reduction of resistance to compression is allowed up to the rate of 15%).

#### AREA OF APPLICATION

BETOZOL is used to improve the resistance of concrete from water absorption, but also the permeability of concrete from water, in cases of foundations, basement walls, water reservoirs, pools, wells, tunnels, etc. The product can be added during the preparation of concrete or prior to the pouring of concrete.

- Waterproofing of concrete mixture eliminates the risk of damage from frost and prevents the formation of stains from the creation of salts.
- In engineering projects such as highways, bridges, hydraulic platforms etc. it significantly increases concrete resistance from salts that are used as anti - freezers.
- Creation of chemical compounds that block the pores does not prevent ventilation of the structure.
- In accordance with standard EN 934-2: 2001, Table 9.

#### TECHNICAL DATA

Color	White
Density	1,00 kg/l
pH	≤ 10,1
Presence of soluble chlorine	Does not have any
Basis content	≤ 0,2% by weight

#### DOSAGE

Allowed dosage: 0.2 - 0.4% in report with the cement weight.

Recommended dosage: 0.3% in report with the cement weight.

#### EFFECTIVENESS

For allowed dosage, resistances against water after 7 days increase up to a rate of 60-70% (requirements of standard ELOT EN 934-2:> 50%), while after 90 days, from 45% up to 60% (requirements of standard EN 934-2:> 40%)

#### SHELF-LIFE - STORAGE

18 months after production date, if the product is stored in original and unopened packaging, at temperatures between +5°C and +35°C and protected from direct exposure to sun and frost.

#### CONCRETE IMPERMEABILITY

Passing of the water through concrete is a multifunctional problem that is analyzed in two steps:

- Capillary absorption of water that is in simple contact (without pressure) with concrete.
  - Water penetration with pressure into the concrete
- Standard EN 934-2: 2001 requires a reduction of the absorption of water in the concrete up to a rate of ≥ 40%, with the addition of a waterproofing additive