

ISOCRET



DESCRIPTION

Waterproofing additive for concrete

CHARACTERISTICS

Isocret is a liquid additive which gives concrete waterproof quality. The product reacts chemically with the lime that is formed from hydration of cement and creates salts which, on the one side, block capillary pores but on the other side, give concrete hydrophobic properties. An important quality of Isocret is that, compared to other additives of its category, it does not cause reduction of the final resistances of concrete. (According to table 9 of standard ELOT EN 934 - 2 the reduction of resistance in compression is allowed up to the scale of 15%).

RECOMMENDATIONS FOR USE

Isocret is used to improve concrete resistance from water absorption, and also to improve water impermeability in cases of foundations, basements walls, water reservoirs, pools, wells, tunnels, etc. The product can be added during the preparation of concrete or before concrete casting.

- The waterproof of concrete mixture eliminates the risk of frost damages and prevents formation of stains.
- In engineering projects such as highways, bridges, hydraulic platforms, etc., it increases considerably concrete resistance from salts that were used as antifreeze.
- Creation of chemical compounds that block pores does not prevent ventilation of the structure.
- In accordance with standard ELOT EN 934 - 2:2001, Table 9.

THE IMPERMEABILITY OF CONCRETE

Water absorption through concrete is a multifaceted problem that is analyzed in two steps:

- The capillary absorption of water in simple contact (without pressure) with concrete.
- Pressured water penetration into concrete.

Standard EN 934-2: 2001 requires reduction of water absorption into concrete to the extent of $\geq 40\%$ by the addition of a waterproofing additive.

TECHNICAL DATA

Form:	Liquid
Colour:	White
Density:	1,05 Kg/l
pH:	7
Solid content:	50%
Dosage:	0,2% - 0,5% in relation to cements
Viscosity:	50 MPa.s
Alkaliniteti:	2%

DOSAGE

Allowed dose: 0.2 - 0.4% dependable on the weight of cement
Recommended dosage: 0.3% dependable on the weight of cement

STORAGE

18 months in original and unopened packaging, in temperatures between +5°C and +30°C. The material must be protected from direct radiation of sun and from frost.

CONSUMPTION

300-500gr/100 Kg cement

PACKAGING

5 Kg / 20 Kg / 100 Kg plastic bottles

HEALTH AND SAFETY INFORMATION

Keep out of reach of children. In case of contact with the eyes or swallowing, please seek medical advice immediately and show the contents of the container. Do not dispose the product into drains.

