

BETO-RET



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



BETO RET

Retarder of the drying of concrete - Reducer of the amount of water and plasticizer.

DESCRIPTION

BETO - RET is a liquid additive that delays the drying of concrete, so extends the time in which the concrete has plasticity. At the same time, it reduces the amount of water needed for workability and by holding stable the amount of water in the mixture, it improves workability.

- In addition to drying time, it provides very good hydration of cement, thus resulting in a significant increase of initial and final resistances of concrete.
- Slows down concrete coagulation and prevents division of aggregates
- Significantly prevents cracks that are caused by contractions of concrete.
- Reduces water absorption in concrete due to the reduction of porosity. BETO - RET is an essential supplement to preparing high quality concrete.
- Improves the flow of concrete and slows drying.
- Facilitates the transportation of ready-made concrete over long distances, especially at high temperatures.
- Strengthening development does not cause delays in the removal of wood forms.
- In accordance with standard ELOT EN 934-2: 2001, Table 10.
- Reduction of the water amount in the mixture for concrete preparation with the determined features achieved by the addition of BETO - RET, allows reduction of cement quantity in the same percentage. By keeping constant the report water / cement, the produced concrete retains the desired quality.

DOSAGE

Allowed dosage: 0.3 - 0.5 % in ratio of cement weight.

TECHNICAL DATA

Color	Dark brown
Density	1,11-1,17 kg/l
pH	≤ 7,9
Free chlorine content	Does not contain any
Content of bases	≤ 4,5% by weight

EFFECTIVITY

For each allowed dosage amount, a deduction of water is reached up to a ratio of 5-18%. Respectively, an increase happens in the final strength by 6-11%. The starting time of coagulation ranges from 150 minutes to 200 minutes, while the final drying time ranges from 180 minutes to 240 minutes.

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.

Note

- BETO - RET is suitable for all types of Portland cement.
- An overdose can cause accelerated drying but does not affect the final resistances of concrete.
- If the material freezes, turn the temperature in +5°C and stir it until it homogenizes again