

RETARDER

Retarding the rate of cement hydration

Technical Features

Form:	Brown liquid
Dosage:	0.1 – 0.6% of cement quantity
Water reduction:	up to 15%
Bulk density:	1.12 kg. /dm ³

Properties

- Liquid admixture for retarding the setting time of concrete mixtures,
- Enables controlled prolongation of initial and final setting time,
- Improves the concrete workability, without any increase of the water cement ratio,
- Enables an improvement of the final compressive strength for 10-15%,
- Decreases the linear deformation,
- Enables re-vibration,
- It is compatible to all types of Portland cements, including the sulphate resistant ones too,
- It does not permit any appearance of micro cracks,
- Free of chlorides.

Use

It provides longer transportation of fresh concrete mixture and concreting at hot climate conditions. For decreasing the hydration heat at massive concretes (large surfaces or great sections) and enables re-vibration without any harmful consequences.

Dosage

The dosage range is 0.1-1.0% by weight in relation to cement mass. The optimal dosage is 0.1-0.6%. The dosage percentage depends on the time for which the initial and final setting should be retarded, the receipt composition of concrete and the quality constituent of the concrete elements. When applying **RETARDER** dosage of 0.1%, it provokes retardation of 1 hour at temperature of 20C and normal consistency of 5-8 cm. The mixing time with **RETARDER** should be longer for 50-100% than the mixing time of concretes without admixtures.

Storage

In original wrapping, in dry place, at temperature of +5 to +45 °C.
The storage duration is 12 months.

Packaging

Liquid:

- Plastic can: 5 kg. / 10 kg. / 20 kg.
- Metal barrels: 240 kg.
- Plastic Containers: 1000 kg.

Also available as Powder concentrate:

- Bags: 25 kg.