

Concrete set retarder - Plasticizer

Description

RETADOL is a liquid admixture that retards concrete setting and has a water reducing (plasticizing) action (ASTM C-494: Type D), offering the following advantages:

- Enables transport of ready-mixed concrete over long distances.
- Helps avoid construction joints, even in case of long breaks while concreting.
- At the proper dosage, does not retard the development of the initial strength of concrete that would delay formwork removal.
- Due to its plasticizing properties, reduces the amount of water required and the resulting water/cement ratio, thus significantly increasing both the initial and the final strength.
- Improves pumpability of concrete.
- Facilitates compaction of concrete.
- Reduces segregation and bleeding.
- Reduces cracking and shrinkage.
- Free of chlorides and other corrosive constituents.
- Has no air entraining action.
- Compatible with all kinds of Portland cement.

Certified with the CE marking as set retarding – water reducing - concrete plasticizing admixture, according to EN 934-2:T10, Certificate Nr: 0906-CPR-02412007/01.

Fields of application

RETADOL is used in all cases where the setting time of concrete has to be retarded, such as long-distance transport of ready-mixed concrete, hot weather concreting, avoiding construction joints, etc., providing at the same time improved quality and workability of concrete.

Technical data

Color:	dark brown
Density:	1.14 ± 0.3 kg/l
pH:	10.00 ± 1.00
Maximum chloride content:	chloride free
Maximum alkali content:	≤ 3.0% by weight

Directions for use

RETADOL should be added into the mixing water of concrete, considering its water-reducing action.

Dosage

0.2-0.3 kg per 100 kg of cement.

Dosage depends on the desired retardation time and concrete classification. Site trials should be conducted to determine optimum dosage.

Packaging

- 20 kg plastic containers,
- 250 kg drums and
- 1000 kg tanks.

Shelf-life / Storage

12 months from production date, if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sun exposure and frost.



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DoP No.: RETADOL/1625-03

RETADOL

Set Retarding/ Water Reducing/
Plasticizing Admixture
EN 934-2: T10

Max chloride content: chloride free

Max alkali content: ≤ 3.0 % by weight

Corrosion behavior ¹⁾: -

Dangerous substances: none

¹⁾: Only required when placed in the market of a member state which regulates these items

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