

Technical Datasheet

REOTOL-SPL

Concrete superplasticizer, type F

Description

REOTOL-SPL is a wide-range superplasticizer (ASTM C-494: Type A and F), offering the following advantages:

- When added during preparation of concrete, reduces the water required and the resulting water/cement ratio, thus significantly increasing both initial and final strength.
- When added into the ready-mixed concrete, increases slump from 1-4 cm to 18-22 cm, without additional water.
- Contributes to better hydration of cement.
- Facilitates compaction of concrete, reduces segregation and significantly improves workability and pumpability.
- Significantly reduces setting shrinkage, thus preventing cracks.
- Improves water impermeability.
- Does not have air entraining action.
- Is free of chlorides and other corrosive constituents.
- Does not have a retarding effect.
- Is compatible with all kinds of Portland cement.

Certified with the CE marking as high-range water reducing - concrete superplasticizing admixture, according to EN 934-2: T3.1 and T3.2, certificate number: 0906-CPR-02412007-01.

Fields of application

REOTOL-SPL is necessary for preparing high-strength concrete, exposed concrete, pumpable concrete, screeds for underfloor heating systems etc.

Technical data

| | |
|---------------------------|------------------|
| Color: | dark brown |
| Density: | 1.12 - 1.17 kg/l |
| pH: | 6.50 - 9.00 |
| Maximum chloride content: | chloride free |
| Maximum alkali content: | ≤ 4.0% by weight |

Directions for use

REOTOL-SPL may be added:

- Into the mixing water during the preparation of concrete.
- Into the ready-mixed concrete, just before use. In this case, the concrete mixer truck drum should rotate for an additional 4-5 minutes, to achieve uniform dispersion into the concrete mass.

Dosage

As a type F superplasticizer:
0.2-1.4 kg per 100 kg of cement.

Packaging

REOTOL-SPL is available in plastic containers of 20 kg, in drums of 240 kg and in tanks of 1000 kg.

Shelf-life - Storage

18 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.

Remarks

An excessive dose may cause retardation of setting time, without negatively affecting the final strength.

REOTOL-SPL



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EN 934-2:2009+A1:2012

DoP No.: REOTOL-SPL/1606-04

REOTOL-SPL

High Range Water Reducing/
Superplasticizing Admixture
EN 934-2: T3.1/3.2

Max chloride content: ≤ 0.1 % by weight

Max alkali content: ≤ 4.0 % by weight

Corrosive behaviour: contains components only
from EN 934-1:2008, Annex A.1

Dangerous substances: compliance

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