

# BEVETOL-SPL

## Concrete superplasticizer, type G

### Description

BEVETOL-SPL is a wide range superplasticizer (ASTM C-494: Type A, D and G), 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 adding any extra water.
- Contributes to better hydration of cement.
- Facilitates compaction of concrete, reduces segregation and significantly improves workability and pumpability.
- Significantly reduces setting shrinkage (crack prevention).
- Improves water impermeability.
- Does not have air entraining action.
- Free of chlorides and other corrosive constituents.
- Compatible with all kinds of Portland cement.

Certified with the CE marking as a concrete superplasticizer - set retarder, according to EN 934-2: T11.1 and T11.2, Certificate Nr: 0906-CPR-02412007/01.

### Fields of application

BEVETOL-SPL is necessary for preparing high-strength concrete, exposed concrete, pumpable concrete, screeds for in-floor heating systems, etc.

### Technical data

Color:	dark brown
Density:	1.15 - 1.21 kg/l
pH:	8.00 ± 1.00
Maximum chloride content:	chloride free
Maximum alkali content:	≤ 4.0% by weight

### Directions for use

BEVETOL-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.

### Classification - Dosage

- As a superplasticizer (type G): 0.6-0.8 kg per 100 kg of cement weight.
- In smaller doses, BEVETOL-SPL acts as a plasticizer (type A, D).

When used for ready-mixed concrete, the consumption of BEVETOL-SPL depends on the initial and the desired slump at site.

### Packaging

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

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## 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 overdose may cause retardation of setting, without negatively affecting the final strength.



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EN 934-2:2009+A1:2012

DoP No.: BEVETOL-SPL/1602-03

### BEVETOL-SPL

Set Retarding/ High Range Water Reducing/  
Superplasticizing Admixture  
EN 934-2: T11.1/11.2

Max chloride content: chloride free

Max alkali content: ≤ 4.0 % by weight

Corrosion behavior: contains components only  
from EN 934-1:2008, Annex A.1

Dangerous substances: none

### ISOMAT S.A.

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