

Technical Datasheet

BEVETOL-SPL

Concrete superplasticizer, type G

Description

BEVETOL-SPL is a wide range super-plasticizer (ASTM C-494: Type A, D and G), offering the following advantages:

- When added during preparation of concrete, it reduces the water required and the resulting water/cement ratio, thus significantly increasing both initial and final strength.
- When added to the ready-mixed concrete, it 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 according to EN 934-2: T11.1 and T11.2 and classified as a concrete superplasticizer - set retarder. Certificate No.: 0906-CPR-02412007/01. CE marked.

Fields of application

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

Technical data

Color:	dark brown
Density:	1.15 - 1.21 kg/l
pH:	7.00 ± 1.00
Maximum chloride content:	chloride-free
Maximum alkali content:	≤ 4.0% by weight

Directions for use

BEVETOL-SPL may be added:

- to the mixing water during the preparation of concrete.
- to 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.
- In lower dosages, 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
- 1,000 kg tanks.

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 sunlight and frost.

Remarks

Overdosage could cause retardation of setting without adversely affecting the final strength.

BEVETOL-SPL



0906

ISOMAT S.A.
17th km Thessaloniki – Ag. Athanasios
P.O. BOX 1043, 570 03 Ag. Athanasios,
Greece

07

0906-CPR-02412007/01

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: compliance

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

MAIN OFFICES - FACTORY:

17th km Thessaloniki - Ag. Athanasios Road,
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece,
Tel.: +30 2310 576 000, Fax: +30 2310 576 029

www.isomat.eu e-mail: support@isomat.eu