

PRODUCT DATA SHEET

Sika ViscoFlow®-3500 SC

High range water reducing/superplasticising concrete admixture for sprayed concrete

PRODUCT DESCRIPTION

Sika ViscoFlow®-3500 SC is a liquid admixture for sprayed concrete which is used as a high-range water reducer/superplasticiser.

USES

Sika ViscoFlow®-3500 SC is a unique product that is suitable for:

- The production of sprayed concrete or shotcrete
- Applications that require high quality concrete
- Concrete with high water reduction to meet low water/binder ratio requirements

CHARACTERISTICS / ADVANTAGES

- Enhanced early and late age strength development in sprayed concrete
- Powerful water reduction resulting in higher strengths and densities
- Improved cohesion properties
- Reduced viscosity
- Reduced segregation and bleeding
- Reduced mix costs

APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2 Tables 3.1 & 3.2
DoP 72735534, certified by Factory Production Control Body 1029 and provided with the CE mark

PRODUCT INFORMATION

Chemical Base	Modified polycarboxylate
Packaging	20 L drum, 1000 L IBC
Appearance / Colour	Pale Brown Liquid
Shelf Life	12 months from date of production if stored properly in undamaged containers
Storage Conditions	Store in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.
Total Chloride Ion Content	<0.10 % w/w (chloride free)
Equivalent Sodium Oxide	<0.25% w/w (alkali content)
Specific gravity	1.05 kg/L

TECHNICAL INFORMATION

Effect on Setting	Sika ViscoFlow®-3500 SC has a neutral effect on setting time and should be paired with a SikaTard retarder or ViscoCrete workability retainer for extended open life
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APPLICATION INFORMATION

Recommended Dosage	Typical dosage: 0.3 - 1.2% by weight of binder. Dosages outside this range should be verified by trials.
Compatibility	Compatible with all Sika concrete admixtures and Sigunit sprayed concrete accelerators. Compatible with all cement types.
Dispensing	Sika ViscoFlow®-3500 SC should be dispensed through suitable calibrated dosing equipment

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

USES

Sika ViscoFlow®-3500 SC should not be used in applications other than sprayed concrete without trials to verify performance.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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