

PRODUCT DATA SHEET

Sika ViscoFlow[®]-3410 LV

High range water reducing/superplasticising concrete admixture

PRODUCT DESCRIPTION

Sika ViscoFlow[®]-3410 LV is a liquid admixture for concrete based on polycarboxylate polymers. Sika ViscoFlow[®]-3410 LV is designed as a high range water reducer or superplasticiser. It is particularly suited for use in concretes that require low water/cement ratios and / or high water reductions. The product provides fast adsorption resulting in highly efficient dispersion and potential reduction in mixing time.

USES

- Sika ViscoFlow[®]-3410 LV is suitable for the production of ready mixed concrete
- Ideally suited for use in self-compacting, flowing concrete and screed
- Applicable across broad range of consistence classes from S3 – SF3
- High performance concrete
- High rise/pumped concrete
- Slip form concrete

PRODUCT INFORMATION

Chemical Base	Polycarboxylate polymer
Packaging	20 L container & 1000 L IBC
Appearance / Colour	Brown liquid
Shelf Life	12 months from date of production if stored according to guidance 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	<0.60 % w/w (alkali content)
Specific gravity	1.09 kg/L

CHARACTERISTICS / ADVANTAGES

- High range water reductions resulting in higher strength and density
- Improved mixing times
- Improved early and ultimate strengths
- Excellent placement characteristics
- Improved rheology
- Improved durability
- Reduced segregation and bleeding
- Reduced drying shrinkage
- Reduced mix costs

APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2 Tables 3.1 & 3.2

DoP 30873262, certified by Factory Production Control Body 1029 and provided with the CE mark

APPLICATION INFORMATION

Recommended Dosage	0.2-1.2 % by weight of binder. Doses outside this range should be verified by trials.
Compatibility	Sika ViscoFlow®-3410 LV may be combined with many other Sika products. Trials are always recommended before combining products in specific mixes. Contact our Technical Service Department for further advice.
Dispensing	Sika ViscoFlow®-3410 LV should be dispensed through suitable calibrated dosing equipment. Sika ViscoFlow®-3410 LV is added to the gauging water or added with it into the concrete mixer.

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.

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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Product Data Sheet
Sika ViscoFlow®-3410 LV
March 2026, Version 01.01
021301011000247328

SikaViscoFlow-3410LV-en-GB-(03-2026)-1-1.pdf