

PRODUCT DATA SHEET

Sika® ViscoCrete®-6010 MK

High Range Water Reducing/Superplasticising Admixture for Concrete Incorporating Calcined Clay or Metakaolin

PRODUCT DESCRIPTION

Sika® ViscoCrete®-6010 MK is a liquid superplasticiser admixture for concrete, formulated using polycarboxylate polymer technology to enable high-range water reduction. It is suitable for concrete containing calcined clay or metakaolin supplementary cementitious material (SCM). Sika® ViscoCrete®-6010 MK can be used to produce low water/binder ratios with extended workability retention.

USES

- Readymixed concrete containing calcined clay or metakaolin SCM
- Concrete with a low water/binder ratio
- Concrete requiring extended open life

PRODUCT INFORMATION

Chemical Base	Modified polycarboxylate
Packaging	20 L container & 1000 L IBC
Appearance / Colour	Clear straw coloured 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 protected from direct sunlight and frost.
Total Chloride Ion Content	<0.1 % w/w (chloride free)
Equivalent Sodium Oxide	<0.20 % w/w (alkali content)
Specific gravity	1.10 kg/L

TECHNICAL INFORMATION

Effect on Setting	Minimal effect unless overdosed
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CHARACTERISTICS / ADVANTAGES

- Compatibility with calcined clay SCMs
- Extended open life
- Powerful plasticising effect

APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2 Tables 3.1 & 3.2
DoP 32074178, certified by Factory Production Control Body 1029 and provided with the CE mark

APPLICATION INFORMATION

Recommended Dosage	0.2-1.0 % by weight of binder. Dosages outside this range should be verified by trials.
Compatibility	Sika® ViscoCrete®-6010 MK is compatible with most other Sika® admixtures. Please confirm with Sika Technical Department.

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.

APPLICATION INSTRUCTIONS

MIXING

Sika® ViscoCrete®-6010 MK is added to the gauging water or added with it into the concrete mixer. Sika® ViscoCrete®-6010 MK may also be added into the ready-mix truck on site. When added on site the truck mixer shall rotate its drums at maximum speed for at least 1 minute per m³ concrete and a minimum of 5 minutes to achieve a uniform mix.

DISPENSING

Sika® ViscoCrete®-6010 MK should be dispensed through suitable, calibrated equipment.

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.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



Product Data Sheet

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