

PRODUCT DATA SHEET

Sika® ViscoCrete® CR-141

Accelerating & superplasticising concrete admixture

PRODUCT DESCRIPTION

Sika® ViscoCrete® CR-141 is a liquid admixture for concrete which is used as an accelerating, high range water reducer/superplasticiser.

USES

Sika® ViscoCrete® CR-141 is a unique product that is suitable for the production of precast concrete.

- Applications that require excellent workability and early strength development
- Applications that require high quality concrete
- High performance concrete
- Self compacting concrete

CHARACTERISTICS / ADVANTAGES

- High-range water reductions resulting in higher strengths and densities
- Improved cohesion properties
- Improved early and ultimate strengths
- Improved rheology
- Improved durability
- Reduced segregation and bleeding
- Reduced drying shrinkage
- Reduced mix costs
- Faster mould turnaround
- Improved surface finish

APPROVALS / STANDARDS

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

DoC 13894582, certified by Factory Production Control Body 0120 and provided with the UKCA mark

PRODUCT INFORMATION

Chemical Base	Modified polycarboxylate
Packaging	1000 L IBC
Shelf Life	12 months from date of production if stored properly in undamaged containers.
Storage Conditions	Dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost (freezing point +1°C).
Appearance / Colour	Pale Brown Liquid
Specific gravity	1.07 kg/L
Total Chloride Ion Content	<0.10% w/w (chloride free)
Equivalent Sodium Oxide	<0.60 % w/w (alkali content)

TECHNICAL INFORMATION

Specific Advice

Air Entrainment: Negligible, normally a minimal increase
Effect on Setting: Reduction to normal setting time
Effect of Overdosing: Increased workability and segregation

APPLICATION INFORMATION

Recommended Dosage

0.3 -1.2% by weight of cement

Dispensing

Sika® ViscoCrete® CR141 should be dispensed through suitable calibrated dosing equipment.
Sika® ViscoCrete® CR141 should be added with the mixing water

Compatibility

Sika® Admixtures:
▪ Compatibility information available on request
Cements:
▪ All cement combination

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.

LIMITATIONS

When using Sika® ViscoCrete® CR141 a suitable mix design is required and local material sources should be evaluated.

- Support from our Technical Department is recommended

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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