

PRODUCT DATA SHEET

Sika® ViscoCrete®-5002

HIGH RANGE WATER-REDUCING ADMIXTURE FOR WORKABILITY ENHANCING

DESCRIPTION

Sika® ViscoCrete®-5002 is a highly effective liquid superplasticiser for the production of free flowing concrete or as a substantial water-reducing agent for promoting high ultimate strengths.

USES

Sika® ViscoCrete®-5002 is used as a superplasticiser in the production of free flowing concrete for:

- All precast concrete
- Slabs and foundations
- Walls, columns and piers
- Slender components with densely packed reinforcements
- Textured surface finishes

Sika® ViscoCrete®-5002 is also used as a high range water reducing admixture for:

- High strength concrete
- High durability concrete (low w/c ratio)
- High strength and durability precast products

CHARACTERISTICS / ADVANTAGES

As a superplasticiser:

- Workability is greatly improved
- Increased placeability in slender components with packed reinforcements
- Decreases the amount of vibration
- Suitable for use in conjunction with standard plasticizers and retarders (synergized mixes)
- Significantly reduces the risk of segregation

As a water-reducer:

- Water reduction up to 25% depending on dosage*
- 28-day strengths improved by up to 40%*
- this will depend on dosage and mix design

PRODUCT INFORMATION

Chemical Base	Modified polycarboxylate type
Packaging	<ul style="list-style-type: none"> ▪ 200 L drum ▪ 1,000 L tank ▪ Bulk delivery
Shelf Life	12 months from date of production
Storage Conditions	Store in undamaged and unopened, original sealed containers, protected from direct sunlight and frost, at temperatures between +5 °C and +30 °C.
Appearance / Colour	Clear

APPLICATION INFORMATION

Recommended Dosage

Sika® ViscoCrete®-5002 can be used at the rate of 500–2,000 ml per 100 kg of cement depending on requirements concerning workability and strength. It is recommended that trial mixes be conducted to determine the exact dosage rate required.

For more specific requirements, advice is available from our Technical Service Department to determine the usage rate for optimum results.

BASIS OF PRODUCT DATA

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

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

APPLICATION INSTRUCTIONS

DISPENSING

Sika® ViscoCrete®-5002 shall be dispensed neat into the premixed concrete after all the other concrete components, including total water, have been discharged into the pan-mixer or truck mixer. Do not dilute Sika® ViscoCrete®-5002.

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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