

PRODUCT DATA SHEET

Sika® ViscoCrete®-2192 ICP ES

High performance superplasticiser

DESCRIPTION

Sika® ViscoCrete®-2192 ICP ES is a third generation superplasticiser for concrete.

USES

Sika® ViscoCrete®-2192 ICP ES is a unique multi purpose superplasticiser that is particularly suitable for the production of ready mixed concrete and precast concrete. It provides high water reduction, low viscosity and excellent flow characteristics.

With its outstanding combination of workability time and early strength development Sika® ViscoCrete®-2192 ICP ES is used for the following:

- A wide range of applications where excellent workability and early strength development are required
- Concrete with ultra high water reduction (up to 30 %)
- Low viscosity concrete
- High performance concretes
- High strength concrete

PRODUCT INFORMATION

Composition	Modified polycarboxylate
Packaging	1000 L tank
Shelf Life	12 months from date of production
Storage Conditions	Store properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost.
Appearance / Colour	Light yellow

CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete®-2192 ICP ES is a powerful superplasticiser based on advanced technology which gives the following advantages:

- High water reduction, resulting in high density, high strength and reduced permeability
- Excellent plasticising effect, resulting in improved flow, placing and compaction characteristics
- Low concrete viscosity for easier placing
- Reduced shrinkage during curing and reduced creep when hardened
- Provides opportunities for cost improvement (cement reduction and more economic mix design)

Sika® ViscoCrete®-2192 ICP ES does not contain chlorides or any other ingredients which promote the corrosion of steel. It is therefore suitable for use in reinforced and prestressed concrete structures.

APPLICATION INFORMATION

Recommended Dosage	Medium workability	0.4–0.8 % by weight of cement
	High workability	0.8–1.2 % by weight of cement
	SCC with high slump retention	1.2–2.0 % by weight of cement
Compatibility	Sika® ViscoCrete®-2192 ICP ES may be combined with many other Sika products. Important: Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information about specific combinations.	

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

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

DISPENSING

Sika® ViscoCrete®-2192 ICP ES is added to the gauging water or added with it into the concrete mixer. To take advantage of the high water reduction, a wet mixing time of at least 60 seconds is recommended. The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials before actual concreting on site are strongly recommended when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and as early as possible.

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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