

PRODUCT DATA SHEET

Sika® ViscoCrete® SKY 8330 TKO

(formerly SKY 8330 /C330)

New generation superplasticising admixture

DESCRIPTION

Sika® ViscoCrete® SKY 8330 TKO is a new generation superplasticiser for concrete. It contains polycarboxylate ether polymers and is specially formulated for ready-mix concrete where slump retention, high strength and durability are required in hot climates. The excellent dispersion effect makes Sika® ViscoCrete® SKY 8330 TKO the ideal admixture for the ready-mix concrete industry. The ability to work with low water /cement ratios and still obtain extended slump retention allows for the manufacture of high quality concrete. Sika® ViscoCrete® SKY 8330 TKO is free of chloride and compatible with all cements meeting recognised international standards.

USES

- Concrete with less water content
- Conventional admixtures
- Faster mixing logistics during large jobs
- High flowability concrete
- Highly durable concrete
- Ready-mixed concrete
- Mass concrete
- Long distance transport
- Pumped concrete
- Hot weather concreting

PRODUCT INFORMATION

Packaging	205 litre drum or bulk delivery
Appearance / Colour	Light Brown Liquid
Shelf Life	12 months from date of production
Storage Conditions	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.
Specific gravity	1.050 ± 0.02 kg/litre

CHARACTERISTICS / ADVANTAGES

- High water reduction - High early and ultimate strengths, low permeability, high durability concrete.
- High flowability - Ease of placing and compaction, no segregation.
- Superior slump retention - No retempering, ease of delivery to point of placement.
- Low shrinkage and creep - Improve dimensional stability, reduced risk of cracks.
- Good cohesion - Ease of pumping, no bleeding.
- Good workability - Excellent surface appearance, self-compacting concrete.
- Minimal bleed water - Excellent concrete quality.
- High elastic modulus - Superior load bearing capacity.

APPROVALS / STANDARDS

Comply with BS EN 934

APPLICATION INFORMATION

Recommended Dosage	Dosage of Sika® ViscoCrete® SKY 8330 TKO depends on the mix design, ambient conditions and degree of water reduction and workability required. Sika® ViscoCrete® SKY 8330 TKO is dispensed at a rate of 800ml to 2,000ml per 100 kg of cementitious material. Other dosages may also be used depending on the specific working conditions. Trial mixes should be made with job materials to determine the optimum dosage required for a specified job requirement.
Dispensing	Sika® ViscoCrete® SKY 8330 TKO is a ready-to-use admixture to be added to the concrete mix as a separate component. Optimal mixing water reduction is obtained if Sika® ViscoCrete® SKY 8330 TKO is poured into the concrete mix right after the addition of the first 50 -70% of the mixing water. Avoid adding the admixture to the dry aggregates. A separate dispenser and feed line must be used.
Compatibility	Sika® ViscoCrete® SKY 8330 TKO is compatible with most admixture used in the production of quality concrete. To use in synergy and combination with another Sika product range, please consult your local Sika representative.

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

Sika® ViscoCrete® SKY 8330 TKO does not contain any hazardous substances requiring labelling. It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc. For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions in the Material Safety Data Sheet.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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