

PRODUCT DATA SHEET

Sika® ViscoCrete® TEMPO-10

High range water reducing/superplasticising concrete admixture

DESCRIPTION

Sika® ViscoCrete® TEMPO-10 is a liquid admixture for concrete which is used as a high-range water reducer/superplasticiser.

USES

Sika® ViscoCrete® TEMPO-10 is a unique product that is suitable for the production of ready mixed concrete:

- Applications that require high quality concrete
- Concrete with high water reduction to meet low w/c ratio requirements
- High performance concrete
- Self compacting concrete

FEATURES

- High-range water reductions resulting in higher strengths and densities
- Improved consistence retention
- Improved cohesion properties
- Improved early and ultimate strengths
- Improved rheology
- Improved durability
- Reduced segregation and bleeding
- Reduced drying shrinkage
- Reduced mix costs

CERTIFICATES AND TEST REPORTS

Sika® ViscoCrete® TEMPO-10 meets the requirements of NF EN 934-2 tables 3.1 & 3.2.

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 25 Lts keg ▪ 200 Lts drum ▪ 1000 Lts IBC ▪ Bulk
Shelf life	12 months from date of production if stored properly in undamaged containers.
Storage conditions	Protect from direct sunlight and frost.
Appearance and colour	Yellow liquid.
Density	1.060 ± 0.020
Conventional dry material content	30.0 ± 1.5% (halogen) 29.5 ± 1.4% (NF EN 480-8)
pH-Value	4.0 ± 1.0
Total chloride ion content	≤ 0.1 %
Equivalent sodium oxide	≤ 1 %
Concreting guidance	The standard rules of good concreting practice, concerning production and

placing must be followed.

Laboratory trials must be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and curing applied as early as possible.

Concrete mix design

When using SikaViscocrete® Tempo 10, a suitable mix design must be calculated. The local material sources used within the mix design must always be trialled and approved for suitability before commencement of the project.

APPLICATION INFORMATION

Recommended dosage

0.1 - 5.0 % of binder content.

Dispensing

Sika® ViscoCrete® TEMPO-10 is added to the gauging water or added with it into the concrete mixer.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

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 exact product data and uses.

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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