

PRODUCT DATA SHEET

Sika® ViscoCrete®-10 Tempo PLUS NG

Multi-purpose Superplasticizer / High Range Water-Reducing Admixture

DESCRIPTION

Sika® ViscoCrete® Tempo 10 Plus is a new generation, non-chlorinated, acrylic copolymer superplasticizer / high-range water-reducing admixture.

USES

Sika® ViscoCrete® Tempo 10 Plus is used for concrete in precast plants, on site and for ready mix concrete. Sika® ViscoCrete® Tempo 10 plus is used for concrete that need to be transported over long distance or with extended application time. Sika® ViscoCrete® Tempo 10 Plus is added for production of :

- Plastic to fluid concrete.
- Low W/C ratio concrete with or without silica fume.
- Concrete with high water reduction (up to 30%).
- Concrete with air entraining.

FEATURES

Sika® ViscoCrete® Tempo 10 Plus combines several actions. Adsorption to the surface and separation of fines particles during the hydration process give the following properties :

- Very high water reduction (consequently high water-proofing and resistances).
- High fluidity (consequently easier application).
- High short term resistance.
- High water-proofing improvement.
- Better creeps and shrinkage behaviour.
- Lower carbonation speed.

Sika® ViscoCrete® Tempo 10 Plus does not contain any chloride or other component which could cause or increase steel corrosion. It can be used without restriction for reinforced or prestressed concrete constructions

PRODUCT INFORMATION

Packaging

1000 litre IBC's

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	200 litre drum 25 kg Keg
Colour	Light Yellow
Shelf life	12 months from date of production if stored properly in undamaged, unopened, originally sealed packaging.
Storage conditions	Storage at temperatures between +10°C and +40°C. Protect from direct sunlight, frost and contamination.
Density	1.06 +/- 0.01
pH-Value	5 +/- 1
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 Plus, 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.
Recommended dosage	0.1 - 5.0 % of binder content.
Dispensing	Sika® ViscoCrete® TEMPO 10 - PLUS 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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