

PRODUCT DATA SHEET

Sika ViscoFlow[®]-1994 NG

High Range Water Reducer / Superplasticizer Concrete Admixture

DESCRIPTION

Sika ViscoFlow[®] 1994 is an improved, new generation, non-chlorinated, acrylic copolymer superplasticizer / high-range water-reducing and slump-retaining admixture.

USES

Sika ViscoFlow[®] 1994 is used for concrete in precast plants, on site and for ready mix concrete. ViscoFlow[®] 1994 is used for concrete that need to be transported over long distance or with extended application time.

ViscoFlow[®] 1994 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 35%) and improved strength.
- Concrete with air entraining

FEATURES

ViscoFlow[®] 1994 combines several actions. Adsorption to the surface and separation of fines particles by steric hindrance during the hydration process give the following properties:

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

ViscoFlow[®] 1994 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

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PRODUCT INFORMATION

Composition	PCE
Packaging	Bulk, 1000 litre Container, 200 litre Drum, 25 litre Keg.
Appearance and colour	Light Yellow
Shelf life	12 months minimum from production date if stored properly in original unopened, sealed and undamaged packaging.
Storage conditions	Store in a dry area between 5°C and 35 °C. Protect from direct sunlight.
Density	1.08 +/- 0.01
pH-Value	4 +/- 1
Total chloride ion content	< 0.1%
Recommended dosage	0.2 to 2% of the cement weight depending on performances required. Usual dosage: 0.4 to 1.5% of the binder weight.

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.

on request or accessed on the Internet under nga.sika.com.

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 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, must be inferred either from this information, or from any written recommendations, or from any other advice offered. 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 Product Data Sheet for the product concerned, copies of which will be supplied

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