

PRODUCT DATA SHEET

Sika ViscoFlow®-1500 KR

3rd Generation Superplasticiser

DESCRIPTION

Sika ViscoFlow®-1500 KR is a third generation superplasticizer for concrete and mortar. It meets the requirements for superplasticizers according to GB 8076.

USES

Sika ViscoFlow®-1500 KR is suitable for the production of site mixed as well as ready-mix concrete.

Sika ViscoFlow®-1500 KR is used for concrete with extended transportation or placing time.

Sika ViscoFlow®-1500 KR facilitates long time slump retention, excellent flow properties, and optimal cohesion.

Sika ViscoFlow®-1500 KR is used for the following types of concrete:

- Self-compacting concrete (S.C.C)
- Hot weather concrete and concrete with extended transportation – or placing time
- Concrete with long time slump retention (up to 3~5h)
- High strength concrete

Long time slump retention have a positive influence on the above mentioned applications.

FEATURES

Sika ViscoFlow®-1500 KR acts by different mechanisms. Through surface absorption and steric separation effect on the cement particles, in parallel to the hydration process, the following properties are obtained.

- Extremely slump retention (resulting in long time workability keep)
- Improved shrinkage and creep behaviour
- Reduced rate of carbonation of the concrete

Sika ViscoFlow®-1500 KR does not contain chloride or other steel corrosion promoting ingredients. It may therefore be used without any restrictions for reinforced and prestressed concrete construction.

PRODUCT INFORMATION

Packaging	1,100Kg containers (IBC)
Appearance and colour	Clear to slightly yellowish
Shelf life	In unopened, undamaged original container, protected from direct sunlight and frost at temperatures between +5°C and 35°C, shelf life is at least 12 months from date of production.
Storage conditions	
Density	~1.10 g/mL (+20°C)
pH-Value	5.0 - 8.0
Solid content	~ 49.0%

APPLICATION INFORMATION

Recommended dosage

- For soft plastic concrete 0.2~0.6% by weight of cement
- For flowing and self-compacting concrete (S.C.C) 0.4~1.0% by weight of cement.

Addition

Sika ViscoFlow®-1500 KR is added to the gauging water or simultaneously with poured into the concrete mixed. For optimum utilisation of the high water reduction we recommend thorough mixing at a minimal wet mixing of 60 seconds.

Frozen

Storing at <10°C may cause crystallized precipitation in Sika ViscoFlow®-1500 KR The polymer can be used after precipitation redissolved at room temperature (preferably above 20°C) with intensive stirring.

Concrete Placing

With the used of Sika ViscoFlow®-1500 KR concrete of highest quality is being produced. The standard rules of good concreting practice (production as well as placing) must also be observed with Sika ViscoFlow®-1500 KR concrete. Fresh concrete must be cured properly.

Combinations

Sika ViscoFlow®-1500 KR may be combined with the following Sika products:

Sika® Pump
Sika® Rapid 1
Sika® FeroGard®-901
SikaFume® Sika®
AER 50C Sika® Retarder

Pre-trials are recommended if combinations with the above products are being made. Please consult our technical service.

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.

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.

Sika Korea Ltd.

419 Nonhyeon-ro, 3rd Floor, PMK
Building
Gangnam-gu, Seoul, R.Korea
Tel : +82 2 6912 1500
Fax: +82 2 6912 1555
web: <https://kor.sika.com>



Product Data Sheet

Sika ViscoFlow®-1500 KR
October 2026, Version 01.01
021301011000264998

SikaViscoFlow-1500KR-en-KR-(10-2026)-1-1.pdf