

PRODUCT DATA SHEET

Sika ViscoFlow[®]-5280 PH

New Generation High Range Water Reducing Admixture with Extended Workability Retention

DESCRIPTION

Sika ViscoFlow[®]-5280 PH is a new generation high range water reducing admixture with extended workability retention, based on chains of modified polycarboxylate ether, primarily developed for concrete industry where slump retention, high strength and durability are required in hot climate. The ability to work with very low water/cement ratio and still obtain extended slump retention allows for the manufacture of high quality concrete. Sika ViscoFlow[®]-5280 PH has no added chloride, meets ASTM C 494 requirements for Type G and it is also compatible with all cements meeting the ASTM standards.

USES

Sika ViscoFlow[®]-5280 PH is especially suitable for concrete which requires good workability and high early and final strengths, such as:

- Self compacting concrete for precast;
- Low slump concrete;
- Structures constructed using travelling forms and slip forms;
- Hot weather concreting;
- In-situ casting of structural elements.

CHARACTERISTICS / ADVANTAGES

- Rheoplastic concrete with the lowest water/cement ratio;
- Resists segregation or bleeding;
- Low vibration time required even in case of high re-inforced concrete;
- Excellent surface appearance;
- Reduces risks of retempering concrete on job site with additional water and improves the engineering properties of concrete like early and ultimate strengths, modulus of elasticity, bond strength to steel, depths of carbonation, impermeability, resistance to chemical aggressive agents, shrinkage and creep.

PRODUCT INFORMATION

Chemical Base	modified polycarboxylate ether
Packaging	205 liter Drum, 1000 liter Bulk
Colour	Yellowish to Brown Liquid
Shelf Life	12 months from date of production if stored properly in undamaged un-opened, original sealed packaging.
Storage Conditions	Store in cool and dry conditions at temperatures above 0°C, well ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

APPLICATION INFORMATION

Recommended Dosage	Optimum dosage of Sika ViscoFlow®-5280 PH should be determined by site trials. Recommended dosage: 0.3 – 1.2 liter per 100 kg of cementitious material A higher dosage might be used if agreed by client, consultant. Stir well before use.
Dispensing	Sika ViscoFlow®-5280 PH 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 ViscoFlow®-5280 PH is poured into the concrete mix right after the addition of the mixing water. Avoid adding the admixture to the dry aggregates.

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

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

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.

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