

Product Data Sheet
 Edition 09/04/2015
 Identification no: 13.1.092
 Version no. 00
 Sika® ViscoCrete®-151

Sika® ViscoCrete®-151

High performance concrete superplasticiser

Product Description	Sika® ViscoCrete®-151 is a high performance concrete superplasticiser based on a blend of 3 rd generation PCE polymers. Sika® ViscoCrete®-151 meets the requirements of ASTM C494 Type G.
Uses	Sika® ViscoCrete®-151 is suitable for use in the manufacture of concrete for both RMC and precast applications. Sika® ViscoCrete®-151 can be used for the following types of concrete: <ul style="list-style-type: none"> ■ Precast – Spun piles <ul style="list-style-type: none"> - Square pile - Hollow core precast ■ Bridges and cantilever ■ Slender components with dense reinforcement ■ Slabs, columns and walls
Application	Sika® ViscoCrete®-151 imparts the following concrete properties: <ul style="list-style-type: none"> ■ High fluidity (reduced effort in placing and compacting work) ■ Improved creep and shrinkage resistance characteristics Sika® ViscoCrete®-151 contains no chlorides or other corrosion-inducing substances and can therefore be used without any restrictions for reinforced concrete structures.
Product Data	
Base	Blend of modified polycarboxylates in water
Form / Colour	Liquid / light brown colour
Packaging	25 / 200 / 1000 liters
Storage conditions	Stored in dry conditions, protected from direct sunlight and at temperatures between +5°C and +30°C.
Shelf-life	12 months if stored properly in original unopened packaging
Technical Data	
Density	1.075 – 1.095 kg/liter
pH Value	4.00 - 6.00
Application Details	
Dosage	0.8 – 2.0ltr per 100 kg of cement Typical 1.0 to 1.6 ltr/100kg
Compatibility	Sika® ViscoCrete®-151 may be combined with all Sikament®, Sika® Aer, Sika® Pump, Sikacrete® PP-1 products, but must be added separately to the mix and not pre-mixed prior its addition. Sika® ViscoCrete®-151 is compatible with all Portland Cement types.



Addition / Mixing	Sika®ViscoCrete®-151 is added to the mixing water prior to its addition to the dry mix or added separately to the wetted concrete mix. For optimum dispersion, we recommend a minimum mixing time of 60 seconds. When adding the balance of the batching water to adjust concrete consistency this should be done after a minimum of 2/3 of the wet mixing time to avoid surplus water in the concrete.
Concrete placing	With the use of Sika®ViscoCrete®-151, concrete of highest quality is being produced, however state of the art Concrete technology, such as mixing, placing vibrating and curing must be respected and applied.
Note on application / Limits	Overdosing will result in increased workability and setting time of the concrete; however provided that curing is effective, ultimate concrete strength and properties will not be affected. Accurate dispensing equipment can be supplied by Sika Limited (Vietnam) use an appropriate concrete mixer and do not mix by hand. Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. Please contact Sika Technical Department for further assistance.
Curing	Effective measures for concrete curing must be followed
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
Protective measures	Avoid prolonged contact with skin. Wash off thoroughly with soap water. In case of contact with eyes or mouth, rinse immediately with clean warm water and seek medical attention without delay. Avoid contact with food stuff and utensils.
Ecology/ Waste disposal	Do not dispose of into water or soil, but according to local regulations.
Transportation class	Non-hazardous
Toxicity	Non-toxic
Disclaimer	<i>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.</i>



Sika Limited (Vietnam)

Nhon Trach 1 Industrial Zone,
Nhon Trach Dist., Dong Nai Province
Tel: (84-61) 3560 700 Fax: (84-61) 3560 699
vnm.sika.com, sikavietnam@vn.sika.com

