

# PRODUCT DATA SHEET

## Sika® ViscoCrete®-15 LB

### NEW GENERATION SUPERPLASTICIZING CONCRETE ADMIXTURE

#### DESCRIPTION

Sika® ViscoCrete®-15 LB is a third-generation powerful, super plasticizing concrete admixture.

#### USES

Sika® ViscoCrete®-15 LB is based on the polycarboxylate polymer technology. It offers high water reduction and high initial flow ability in demanding concrete mixes:

- High strength class RMC and site-batched concrete
- Increased workability in concrete mixes, even in low dosages
- Production of high demand & quality concrete
- Concrete of increased cohesion

#### CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete®-15 LB is a superplasticizer which acts through several different mechanisms including surface adsorption and sterically separating the cementitious binder particles.

The following properties are achieved:

- High water reduction, resulting in high density, high strength, and reduced permeability
- Plasticizing effect, resulting in improved flow, placing and compaction characteristics
- Reduced shrinkage during curing and reduced creep when hardened
- Sika® ViscoCrete®-15 LB does not contain chloride and is therefore suitable for prestressed and reinforced concrete

#### APPROVALS / CERTIFICATES

#### PRODUCT INFORMATION

<b>Composition</b>	Aqueous solution of polycarboxylate polymers
<b>Packaging</b>	Bulk Deliveries
<b>Appearance / Color</b>	Light yellowish liquid
<b>Shelf life</b>	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
<b>Storage conditions</b>	in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight. It requires recirculation when held in storage for extended periods.
<b>Specific Gravity</b>	1.06 ± 0.015 kg/lit

## TECHNICAL INFORMATION

### Concreting Guidance

The standard rules of good concreting practice, concerning production and placing, are to be followed.  
Laboratory trials shall 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.

## APPLICATION INFORMATION

### Recommended Dosage

0,3 – 2,0 % by weight of cement

### Compatibility

For additional information, please contact Sika technical personnel.

### Dispensing

Sika® ViscoCrete®-15 LB is added to the gauging water or added with it into the concrete mixer.  
To take advantage of the high-water reduction, a wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds per cubic meter after the admixture addition is recommended.  
Sika® ViscoCrete®-15 LB shall not be added to dry cement.

## IMPORTANT CONSIDERATIONS

When using Sika® ViscoCrete®-15 LB a suitable mix design has to be taken into account and local material sources shall be trialed.

Do not use with naphthalene-based admixtures.

Excessive water addition or overdosing may cause bleeding or segregation.

Self-Compacting Concrete:

When using Sika® ViscoCrete®-15 LB to produce self-compacting concrete, suitable mix designs have to be used.

## 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.

## LOCAL RESTRICTIONS

Please note that because of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## 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.

## 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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