

## PRODUCT DATA SHEET

# Sika® ViscoCrete® WR-14

Liquid high performance superplasticiser for the Sika® ViscoCrete® toolbox

### DESCRIPTION

Sika® ViscoCrete® WR-14 is a high-performance superplasticizer based on Sika® ViscoCrete® polycarboxylate polymer technology.

### USES

Sika® ViscoCrete® WR-14 is a part of the Sika® ViscoCrete® toolbox and must be used accordingly. Suitable for the production of concrete mixes which require:

- High early strength development
- Powerful water reduction
- Improved flowability

### CHARACTERISTICS / ADVANTAGES

- Good early strength development, resulting in very economic stripping times for precast and in situ concrete
- Very good water reduction, resulting in high density, high strength and reduced permeability for water etc.
- Good plasticising effect, resulting in improved flowability, placing and compacting behaviour
- Does not contain chlorides or any other ingredients which promote the corrosion of steel (suitable for use in reinforced and prestressed concrete structures)

### PRODUCT INFORMATION

<b>Composition</b>	Modified polycarboxylate in water
<b>Packaging</b>	Drum IBC Bulk supply Refer to current price list for packaging variations
<b>Appearance / Colour</b>	White-yellowish, slightly cloudy liquid
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +10 °C and +30 °C. Always refer to packaging.
<b>Density</b>	~1,09 kg/l at +23 °C
<b>pH-Value</b>	~4,0
<b>Conventional dry material content</b>	~50 % by mass
<b>Viscosity</b>	~450 mPa·s at +23 °C

# 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.

## 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.

## IMPORTANT CONSIDERATIONS

- Excessive water addition or overdosing may cause bleeding or segregation.
- When using Sika® ViscoCrete® WR-14, a suitable mix design must be produced and the local material sources must always be trialled.
- If frozen and/or separation of the product has occurred, Sika® ViscoCrete® WR-14 may be used after thawing slowly at room temperature and intensive mixing.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains 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 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 NORTHERN GULF

Bahrain / Qatar / Kuwait  
Tel: +973 177 38188  
sika.gulf@bh.sika.com  
gcc.sika.com

### SIKA SOUTHERN GULF

UAE / Oman / SIC  
Tel: +971 4 439 8200  
info@ae.sika.com  
gcc.sika.com

### SIKA SAUDI ARABIA

Riyadh / Jeddah / Dammam  
Tel: +966 11 217 6532  
info@sa.sika.com  
gcc.sika.com



ISO 9001: Sika UAE LLC,  
Sika Gulf B.S.C. (c),  
Sika Saudi Arabia Co. Ltd,  
Sika Qatar LLC  
ISO 14001: Sika UAE LLC,  
Sika Gulf B.S.C. (c),  
Sika Saudi Arabia Co. Ltd  
OHSAS: Sika UAE LLC,  
Sika Gulf B.S.C. (c)

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

### Product Data Sheet

Sika® ViscoCrete® WR-14  
July 2021, Version 01.01  
021301011000003989

SikaViscoCreteWR-14-en-AE-(07-2021)-1-1.pdf

