

PRODUCT DATA SHEET

Sika® ViscoCrete®-5044 MY

Ultra high performance superplasticiser for UHPC

DESCRIPTION

Sika® ViscoCrete®-5044 MY is a third generation high range water reducing/super plasticising admixture for concrete.

It is chloride free for easy use in reinforced and prestressed concrete structures.

Previously known as Sika® Viscocrete®-2044.

USES

Sika® ViscoCrete®-5044 MY is an ultra high performance superplasticiser for the production of concrete and mortar mixes which require high early strength development, powerful water reduction and excellent flowability.

Its superior water reduction is mainly used for the following applications:

- Precast concrete
- Fast track concrete
- In situ concrete requiring fast stripping time
- Self Compacting Concrete (SCC)

CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete®-5044 MY as a powerful superplasticiser with efficient dispersion of binder particles for the following properties:

- Pronounced increase in the early strength development, resulting in very economical stripping times for precast and in situ concrete
- Reduced closure times for repairs of roads and runway
- Extremely powerful plasticising effect, resulting in improved flowability, placing and compacting behaviour
- Improved durability - higher density, reduced shrinkage, lower permeability

PRODUCT INFORMATION

Packaging	1000 L IBC
Shelf Life	12 months from date of production
Storage Conditions	Store properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost.
Appearance / Colour	Clear liquid

APPLICATION INFORMATION

Recommended Dosage	Medium workability	0.2–0.8 % by weight of cement
	High workability with very low w/c ratio	1–2 % by weight of cement

Compatibility Sika® ViscoCrete®-5044 MY may be combined with many other Sika

products.

Important: Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information about specific combinations.

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

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.

APPLICATION INSTRUCTIONS

DISPENSING

Sika® ViscoCrete®-5044 MY 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 of at least 60 seconds is recommended. The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials before actual concreting on site are strongly recommended when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and as early as possible.

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.

Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my



Product Data Sheet

Sika® ViscoCrete®-5044 MY
August 2022, Version 01.01
021301011000004447

SikaViscoCrete-5044MY-en-MY-(08-2022)-1-1.pdf