

PRODUCT DATA SHEET

Sika® Stabilizer VMA

Viscosity Modifying Admixture

DESCRIPTION

Sika® Stabilizer VMA is a ready to use liquid based viscosity modifying admixture. Sika® Stabilizer VMA improves stability and segregation resistance of concrete mixes resulting in improved surface quality and aesthetics. Sika® Stabilizer VMA is suitable for various types of concrete. Sika® Stabilizer VMA has been found to improve plastic properties of Self Compacting Concrete (SCC) as well as high slump conventional concrete mixes and mixes containing manufactured sand and/or poorly graded aggregates.

Sika® Stabilizer VMA helps stabilise the air void system in freshly mixed and placed concrete and increases the overall concrete stability. Sika® Stabilizer VMA is compatible with Sika ViscoCrete® high range water reducing admixtures and is recommended for precast and ready mix concrete applications.

USES

Sika® Stabilizer VMA has been specially developed for Self Compacting Concrete (SCC) and can also be used for other concretes, where improved stability during transportation and placing is required. Sika® Stabilizer VMA improves the fresh concrete properties of mixes with varying fines content, low cement content or concrete mixes with unfavourable grading curves.

Sika® Stabilizer VMA is used for:

- Self Compacting Concrete (SCC)
- Shotcrete applications
- Pumped concrete
- Low fines content concrete

PRODUCT INFORMATION

Packaging

Bulk deliveries ,1000 litre IBC, 205 litre drum and 10 litre container.

Shelf life

12 months from date of production if stored properly in undamaged containers.

CHARACTERISTICS / ADVANTAGES

Sika® Stabilizer VMA provides the following characteristics and advantages in the fresh concrete properties:

- Strongly increased internal cohesion of the mix
- Lower sensitivity against variations in the constituent materials and gap graded aggregates
- Homogeneous mix
- Less bleeding
- Improves stability during transportation
- Faster concrete consolidation
- Reduced tendency to segregation
- Sika® Stabilizer VMA assists the concrete placing in the following ways:
 - Reduction of compaction defects
 - Smoother concrete surfaces
 - Improved pumpability
 - Equipment is preserved and its service life is prolonged

Sika® Stabilizer VMA does not contain chlorides or any other ingredients which promote the corrosion of steel. It is therefore suitable for use in reinforced and prestressed concrete structures.

Storage conditions	Store properly in undamaged containers, in dry conditions at temperatures between +5°C and +35°C, protected from direct sunlight and frost. Stir thoroughly before use.
Appearance and colour	Brown liquid
Density	1.02 g/cm ³
Concreting guidance	<ul style="list-style-type: none"> ▪ The standard rules of good concreting practice, concerning production as well as placing, are to be followed. ▪ Fresh concrete must be cured properly and curing applied as early as possible.

APPLICATION INFORMATION

Recommended dosage	0.1 - 1.0% by weight of cement
Dispensing	Sika® Stabilizer VMA is added to the gauging water at the plant or added on-site into the concrete mixer. When added on site the truck mixer shall rotate its drums at maximum revolutions for at least 1 minute per m ³ concrete and a minimum of 5 minutes to achieve a uniform mix. Sika® Stabilizer VMA shall not be added to dry cement.
Compatibility	Sika® Stabilizer VMA may be combined with many other Sika products. Important: Always conduct trials before combining products in specific mixes and contact our Technical Service for information and advice about any 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.

FURTHER INFORMATION

Overdosing may result in retardation. For optimum dosage trials are recommended.

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.

LOCAL RESTRICTIONS

Please note that as a result 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.

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 Australia Pty Limited
 ABN 12 001 342 329
 aus.sika.com
 Tel: 1300 22 33 48

SikaStabilizerVMA-en-AU-(04-2023)-1-2.pdf

Product Data Sheet
 Sika® Stabilizer VMA
 April 2023, Version 01.02
 02140402100000029

