

PRODUCT DATA SHEET

Sika® Stabilizer-4 R AU

Viscosity Modifying Admixture

DESCRIPTION

Sika® Stabilizer-4 R AU is a ready to use liquid-based viscosity modifying admixture. Sika® Stabilizer-4 R AU improves stability and segregation resistance of concrete mixes without significant reduction of slump or flow, resulting in improved surface quality and aesthetics. Sika® Stabilizer-4 R AU is suitable for various types of concrete. Sika® Stabilizer-4 R AU has been found to improve plastic properties of Self Consolidating Concrete (SCC) as well as high slump conventional concrete mixes, and mixes containing manufactured sand and/or poorly graded aggregates.

Sika® Stabilizer-4 R AU helps stabilize the air void system in freshly mixed and placed concrete and increases the overall concrete stability. Sika® Stabilizer-4 R AU is compatible with Sika® ViscoCrete® high range water reducing admixtures and is recommended for precast and ready mix concrete applications.

USES

Sika® Stabilizer-4 R AU is suitable for usage in cases when:

- Improved flow & aesthetics of low slump extruded concrete mixes
- Higher resistance to segregation is required
- Improved stability during transportation is required
- Manufactured sand and/or “gap-graded” coarse aggregate is used
- Migration of air within the concrete mixture is observed
- Fluctuation of water content in aggregates causes inconsistent production

PRODUCT INFORMATION

Packaging

Sika® Stabilizer-4 R AU is available in 1000 litres IBC, 10 litres container and bulk deliveries.

Shelf life

Shelf life when stored in dry warehouse conditions between 5 °C and 35

°C is six months.

Storage conditions	Sika® Stabilizer-4 R AU should be stored above 5 °C . Protect from frost and direct sunlight.If frozen, thaw and agitate thoroughly to return to normal state.
Appearance and colour	Light blue liquid
Density	1.01 g/cm ³ approximately

APPLICATION INFORMATION

Recommended dosage	Dosage rates will vary according to materials used, ambient conditions and the requirements of a specific project. Sika recommends dosage at 200–1500 ml/100 kg of cementitious materials. Dosage rates outside the recommended range may be used where extreme ambient conditions are encountered or unusual project conditions require special consideration. In this case please contact your local Sales Representative .
Dispensing	Sika® Stabilizer-4 R AU should be added to the fresh concrete after all other mix ingredients have been blended together. Addition of the Sika® Stabilizer-4 R AU directly into the concrete too early may promote clumping of the mix materials. Sika® Stabilizer-4 R AU may also be dispensed into freshly mixed concrete in a ready mix truck at the concrete plant or at the job site. When added on site, mixer should rotate its drum at maximum speed for a minimum of 2 minutes/m ³ . Sika® Stabilizer-4 R AU should on no account be added to a dry mix.
Compatibility	Sika® Stabilizer-4 R AU can be used in conjunction with most of the Sika Concrete products, except Sika VMA . Trials are always recommended before use.

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

There maybe a slight decrease in slump or spread when using Sika® Stabilizer-4 R AU. This may require an increase of HRW (Sika ViscoCrete).

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.

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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.

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