

PRODUCT DATA SHEET

Sika® Stabilizer UW 460

(formerly MasterMatrix® UW 460)

Anti-washout admixture for Underwater and Tremie Concrete

DESCRIPTION

Sika® Stabilizer UW 460 anti-washout admixture is a ready to use, liquid admixture specially developed for concrete placed underwater. Concrete treated with Sika® Stabilizer UW 460 admixture exhibits superior resistance to washout of cement and fines.

USES

Sika® Stabilizer UW 460 admixture is recommended for use in all types of concrete pumped or tremied underwater. Sika® Stabilizer UW 460 admixture is especially helpful in extreme conditions where conventional concrete or placing techniques would result in a high percentage of material loss due to washout.

Sika® Stabilizer UW 460 admixture is particularly useful in mortar and grouting applications where mixtures are typically more fluid and have a higher potential for washout.

Sika® Stabilizer UW 460 admixture should be used with a water-reducing admixture, such as Sika ViscoCrete & SikaPlast products. For achieving high slump concrete, use Sika® Stabilizer UW 460 admixture in conjunction with Sika ViscoCrete admixture. This combination will produce a high performance, high strength, low water- cementitious ratio, flowing concrete that exhibits superior resistance to washout of cement and fines.

CHARACTERISTICS / ADVANTAGES

Sika® Stabilizer UW 460 admixture produces a concrete mixture highly resistant to washout, while maintaining workability, pumpability, and placeability. The following special qualities are also provided:

- Minimised environmental impact of cement washout in water
- Reduces or eliminates concrete bleeding
- Slump characteristics equal to untreated concrete
- Virtually eliminates segregation, even with highly fluid, high water-cementitious ratio mixes
- Reduces/eliminates costly methods of dewatering
- Thixotropic action provides stiffening after concrete is placed
- Minimal to no effect on setting time

PRODUCT INFORMATION

Packaging	Sika® Stabilizer UW 460 is supplied in 205 Kg drum
Shelf life	12 months
Storage conditions	Store in dry conditions at temperatures between +5°C and +40°C. Protect from direct sunlight and frost.

APPLICATION INFORMATION

Recommended Dosage

Sika® Stabilizer UW 460 admixture is recommended for use at a dosage range of 300 ml to 1300 ml/100 kg of cementitious material for most concrete mixtures using average concrete ingredients.

Because of variations in job conditions, applications and concrete materials, dosage rates outside the recommended range may be required.

Dispensing

Sika® Stabilizer UW 460 admixture should be added at the batch plant after all other concrete ingredients have been mixed and discharged into the mixer. It is also possible to add Sika® Stabilizer UW 460 admixture at the job site provided adequate mixing is accomplished.

Sika® Stabilizer UW 460 is not compatible with other admixtures containing naphthalene sulphonates.

Always check with your local Sika Representative to obtain a list of compatible admixtures.

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing 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.

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