

PRODUCT DATA SHEET

Sikacrete[®] W

ADDITIVE FOR UNDERWATER CONCRETING

DESCRIPTION

Sikacrete[®] W is a microsilica-based additive for underwater concrete. It is formulated with silica fume and special additives and it greatly enhances concrete cohesion thereby reducing washout.

USES

Sikacrete[®] W inhibits separation of the fine elements (cement + fines), a phenomenon that occurs in ordinary concrete. Sikacrete[®] W is therefore suitable for all water-exposed concreting work such as:

- Embankment reinforcement
- Dyke construction and repair
- Underwater slabs (example, in navigation locks)
- Building pits
- Foundation piles

CHARACTERISTICS / ADVANTAGES

Contains ultra-fine particles of sub-micron size which, when in contact with mixing water, form a viscous paste that significantly improves concrete cohesion

- Suitable for use with all types of cement
- Contains special anti-washout additives

PRODUCT INFORMATION

Packaging	15 kg bag
Appearance / Colour	Grey powder
Shelf Life	6 months from the date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperature between +5 °C to +35 °C. Protect from direct sunlight, rain and water.

APPLICATION INFORMATION

Recommended Dosage	The standard dosage of Sikacrete [®] W is 30 kg per cubic meter of concrete, regardless of the cement content. Sikacrete [®] W must be dry-mixed with other concrete components before adding the mixing water. After adding the water, mixing must continue thoroughly for at least 2 minutes to ensure an even distribution of all ingredients.
Compatibility	Sikacrete [®] W is compatible with most Sika admixtures. For more information, please consult our Technical Service Department.

Equipment

Users are advised that Sikacrete® W makes the concrete “sticky” (thixotropic effect).

For easier cleaning, use a high pressure water jet ~100 bar or brush the equipment with a wire-brush and rinse with water.

Hardened concrete can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- Due to its effect on the cohesiveness of the mix, an increased dosage of plasticizer or superplasticiser may be required in order to maintain the desired or specified w/c ratio
- In combination with certain plasticizers (retarder type) or superplasticisers (retarder type) increased retardation may occur. In order to maintain the desired w/c ratio, it is recommended to use a non-retarding type superplasticiser
- In all cases, trial mixes incorporating setting time-tests are recommended

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.

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.

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.

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

Fax: +606-7991980

e-mail: info@my.sika.com

Website: www.sika.com.my



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