

PRODUCT DATA SHEET

Sika[®] UCS h

UNDERWATER CONCRETE STABILIZER

DESCRIPTION

Sika[®] UCS h is a concrete and grout admixture, containing alkali resistant stabilizers used to create thixotropic anti bleed properties .
Sika[®] UCS h prevents the wash out of cements and binders in water bearing ground conditions or under water applications.

USES

Sika[®] UCS h can be used in concrete or grouts in the following applications:

- Placement of concrete under water
- Pumping of grouts under water
- Anti bleed agent

CHARACTERISTICS / ADVANTAGES

Sika[®] UCS h provides the following properties:

- Strong increased adhesion of the cement-paste with the aggregates.
- Improves the cohesion within the cement paste.
- Extremely reduced 'wash-out' of the cement paste.
- It does not contain Chlorides nor does it attack the reinforcement.
- It is bound with the cement-matrix and therefore is ecology wise harmless.

PRODUCT INFORMATION

Chemical Base	Alkali resistant stabilizer
Packaging	15 kg bag
Appearance / Colour	White powder
Shelf Life	6 months from date of production if stored in undamaged and unopened, original sealed containers.
Storage Conditions	Store in dry conditions, protect from direct sunlight and frost, at temperatures between +5°C and +40°C.
Density	~0.8 kg/l at 25°C

TECHNICAL INFORMATION

Concreting Guidance

Under water concreting guidelines must be followed. Using Sika® UCS h high quality concrete can be produced.

APPLICATION INFORMATION

Recommended Dosage

1.0 to 3.0 %, by weight of cement / binder for concrete, 0.2 to 1 % by weight of cement for cement injection/grouts. Actual dosage to be finalised on the basis of site trials.

Compatibility

Sika® UCS h may be combined with many other Sika® products. Important: Always conduct trials before combining products in specific mixes and combinations. Compatible with all types of cement and cementitious materials

APPLICATION INSTRUCTIONS

DISPENSING

Sika® UCS h should preferably be added at the batching plant with the aggregate or cement to support dispersion.

A wet mixing time, which is depending on the mixing conditions and mixer performance of at least 90 seconds is recommended.

LIMITATIONS

- For underwater concrete a minimum of 300 kg/m³ cement is required.
- Sika® UCS h in contact with water forms a slippery topping – care should be taken while working on it.
- The air content of the underwater concrete may be increased slightly due to the viscous nature of the mortar matrix preventing all entrapped air being released.

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

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.

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 India Pvt. Ltd.

620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
Tel : +91 33 24472448
Fax : +91 33 23978688
Mail : info.india@in.sika.com



SikaUCSh-en-IN-(12-2018)-1-1.pdf

Product Data Sheet
Sika® UCS h
December 2018, Version 01.01
021404021000000071

BUILDING TRUST

