

## PRODUCT DATA SHEET

# SikaControl® CH 500

(formerly MasterLife® CH 500)

## Crack Healing Additive for Concrete

### DESCRIPTION

SikaControl® CH 500 is a powder-based additive containing a blend of crack healing polymers, which when added to fresh concrete mix, imparts the property of auto-healing and permanent sealing of micro cracks in treated structures. SikaControl® CH 500 is compatible for use with all types of cementitious material and other chemical admixtures used to produce concrete.

### USES

SikaControl® CH 500 can be used to treat and impart crack healing properties to all types of concrete used in residential, commercial and industrial construction. It is highly recommended for use in the following areas:

- Slabs
- Beams and Columns
- Flat and Sloped Roofs
- Raft and Isolated Footings
- Cement Mortar for Plastering

### CHARACTERISTICS / ADVANTAGES

- Low dosage powder-based additive
- Prepackaged scoop allows easy and accurate addition into concrete
- Economical solution for concrete durability
- Propriety blend of polymers impart crack healing properties to concrete
- No detrimental impact on compressive strength of concrete
- Automatic healing and sealing of micro cracks over time
- Reduction in seepages and leakages in concrete
- Increased resistance to corrosion
- Enhanced life of structure

### PRODUCT INFORMATION

<b>Packaging</b>	SikaControl® CH 500 is available in 15kg bag.
<b>Shelf life</b>	6months
<b>Storage conditions</b>	SikaControl® CH 500 must be stored in a cool & dry area at temperatures between 5°C and 45°C. Material should not come in contact to splashing or stagnated water. Store under cover, out of direct sunlight and protect from extremes of temperature. Shelf life is 6 months when stored as above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your local Sika representative.
<b>Appearance / Colour</b>	Grey powder
<b>Density</b>	1.35 ± 0.02 gm/cm <sup>3</sup>

# APPLICATION INFORMATION

## Recommended Dosage

Each bag of SikaControl® CH 500 contains a measuring scoop of 500 grams capacity, which shall be used to charge the material into fresh concrete. The recommended dosage is 1 scoop of material per bag of cement consumed.

## Compatibility

SikaControl® CH 500 is compatible with most admixtures used in the production of quality concrete including normal, other mid-range and high-range water-reducing admixtures, air entrainers, accelerators, retarders and extended set-control admixtures.  
SikaControl® CH 500 is compatible with all types of cement and other supplementary cementitious binders like fly ash, GGBFS and micro-silica

## 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.

## APPLICATION INSTRUCTIONS

### MIXING

Adopt the following procedure to treat your concrete with SikaControl® CH 500  
Open a bag of SikaControl® CH 500 and extract the measuring scoop  
Add one heaping scoopful of SikaControl® CH 500 per bag of cement consumed and dry mix with cementitious binder, sand and coarse aggregates  
Add the required water into the mixer as per the water cement ratio and mix judiciously  
Place, compact and cure the concrete as per standard practice

## 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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### Product Data Sheet

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