

# PRODUCT DATA SHEET

## SikaTard<sup>®</sup>-930

Hydration control admixture

### DESCRIPTION

SikaTard<sup>®</sup>-930 is a liquid admixture developed for the control of cement hydration. Concrete mixes are stabilised without setting for extended time periods and without negatively influencing the performance.

### USES

- Mainly wet and dry spray shotcrete mixes where cement hydration is prevented until required i.e. in tunnelling work
- Stabilises mixed concrete for hours / days

### CHARACTERISTICS / ADVANTAGES

- Controls cement hydration
- Compatible with Sika<sup>®</sup> Sigunit<sup>®</sup> accelerators which immediately starts the hydration process
- Does not contain chlorides or any other substances which promote steel corrosion

### PRODUCT INFORMATION

<b>Composition</b>	Polycarboxylic acid compounds
<b>Packaging</b>	200 liter Drum 1 000 liter IBC 1 000 liter Bulk supply Refer to current price list for packaging variations
<b>Shelf life</b>	24 months from date of production
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +1 °C and +35 °C. Always refer to packaging.
<b>Appearance and colour</b>	Liquid / colourless
<b>Density</b>	~1,1 ± 0.03 kg/L
<b>pH-Value</b>	~3

### TECHNICAL INFORMATION

<b>Concrete mix design</b>	When using SikaTard <sup>®</sup> -930, a suitable mix design must be calculated. The local material sources used within the mix design must always be trialled and approved for suitability before commencement of the project.
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## SYSTEM INFORMATION

### Compatibility

SikaTard®-930 is generally suitable for all types of Portland cement and Sika® Sigunit® accelerators. For specific stabilisation periods pre-trials are essential. Contact Sika Technical Services for additional information and any specific combinations.

## APPLICATION INFORMATION

### Recommended dosage

SikaTard®-930 is normally used at between 0,2 % to 3 % by weight of cement and added at the batching plant. The table shows the approximate retarded stabilisation times at various dosages.

SikaTard®-930 dosage	Stabilisation time in hours
0,4 %	~8
0,6 %	~10
0,8 %	~15
1,0 %	~20
1,2 %	~25
1,4 %	~30
1,6 %	~40
1,8 %	~60
2,0 %	~75

The table is to be used as a guideline only. For specific stabilisation periods, trials with the sourced local cement must be carried out.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

- SikaTard®-930 must be added to the mix at the batching plant.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains 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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### Product Data Sheet

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