

# 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

#### APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 934-5 - Admixtures for sprayed concrete - Consistence control admixtures

#### PRODUCT INFORMATION

Chemical Base	Polycarboxylic acid compounds
Packaging	Drum IBC Bulk supply Refer to current price list for packaging variations
Appearance / Colour	Liquid / colourless
Shelf Life	24 months from date of production
Storage Conditions	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.
Density	~1,1 kg/L
pH-Value	~3

#### TECHNICAL INFORMATION

Concrete Mix Design	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 Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

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

## 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.

## 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.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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### PRODUCT DATA SHEET

SikaTard®-930

May 2021, Version 02.01

02140601100000033

SikaTard-930-en-PK-(05-2021)-2-1.pdf