

PRODUCT DATA SHEET

SikaTard[®]-930

Hydration control admixture

PRODUCT DESCRIPTION

SikaTard[®]-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[®] Sigunit[®] 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 [®] -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.

VALUE BASE

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

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

LIMITATIONS

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

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 the 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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