

Sika Tard®-930

Hydration Controlling and Concrete Stabilization (Sleeping) Admixture

Product Description

SikaTard®-930 is an admixture developed for the control of cement hydration. **SikaTard®-930** facilitates stabilization of concrete mixes for long periods without negatively influencing their quality. Especially suitable for use in hot and tropical climatic conditions.

Uses

SikaTard®-930 is mainly used in wet-spray and dry-spray shotcrete applications where cement hydration of the basic shotcrete mix is prevented.

SikaTard®-930 is also used to stabilize mixed concrete for hours or even days, which is popularly known as **sleeping of concrete**. This can be used for long haul concreting and also to reduce washing of concrete trucks after a days work by putting the residual concrete inside the truck to 'sleep'.

Advantages

SikaTard®-930 blocks cement hydration. This, in contrast to other ordinary retarders, which only strongly retard hydration of the cement.

■ The effect of **SikaTard®-930** may be immediately interrupted when Sigunit is used as an accelerator. Thus, hydration of the previously stabilised shotcrete, will start immediately.

SikaTard®-930 does not contain chlorides or other steel corrosion promoting materials. It may therefore be used in steel reinforced concrete construction without restrictions.

Product Data

Type Special Polymer composition

Form Liquid

Packaging 200 kg Drums and 1000 lt. Plastic flow bins

Storage Condition Store in a dry area in unopened original containers at temperatures between +5°C and +35°C. Protect from direct sunlight.

Shelf life 12 months minimum from production date if stored properly in original unopened packaging

Technical Data

Density Approximately 1.19 kg/lt.

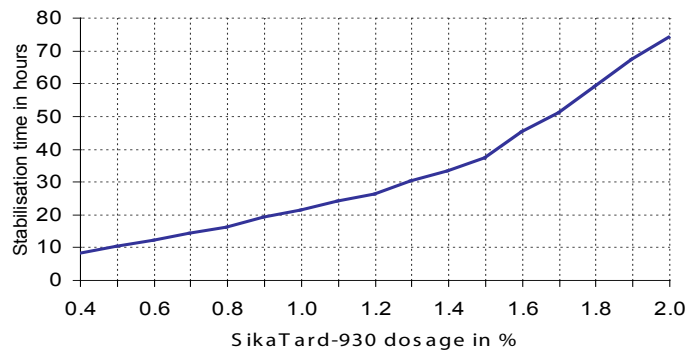
Chloride content Nil (EN 934-2)



Application Details

Dosage

SikaTard®-930 is normally used from 0.2% to 2% by weight of cement and added at the batching plant. The following diagram shows approximate stabilization times at various dosages:



The graph is to be used as a guideline only. For specific stabilization periods trials with the actually used cement are a must.

Dispensing

SikaTard®-930 is added to the basic mix at the batching plant for hydration control and in the concrete truck for stabilization /sleeping of concrete.

Compatibility

SikaTard®-930 may be combined with the following Sika products:

- Sikament-10 PLUS and -12 PLUS
- Sika Fume-TU
- Sikacrete-PP1 TU
- Sigunit-49 AF/-L50 AF/-L20 / -L62

SikaTard®-930 is generally suitable for all types of Portland Cement.

Cleaning

Clean all equipment and tools with water immediately after use.

Remarks

For specific stabilization periods pre-trials are essential.

Notes

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.

Safety

For information and advice on the safe handling, storage and disposal of chemical products, users should 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.



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