

PRODUCT DATA SHEET

SikaTard®-930

Set retarding/stabilising admixture

PRODUCT DESCRIPTION

SikaTard®-930 is an admixture in liquid form developed for the control of cement hydration. SikaTard® 930 stabilises concrete mixes without setting for extended periods and without negatively influencing their quality.

USES

SikaTard®-930 can be used in a variety of materials including readymixed concrete and both wet and dry spray shotcrete, where cement hydration of the concrete mix is halted for a required amount of time. It is possible to retard/stabilise mixed concrete for a period of anything from hours to days.

CHARACTERISTICS / ADVANTAGES

- SikaTard®-930 blocks cement hydration. This is in contrast to other stabilisers or retarders, which only retard hydration of the cement.
- The effect of SikaTard®-930 may be immediately stopped when Sika® Sigunit® is used as an accelerator. Thus hydration of the previously stabilised shotcrete will start immediately.
- SikaTard®-930 does not contain chlorides or any other steel corrosion promoting materials. It can therefore be used in steel reinforced concrete construction without restriction.

APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2 Table 8 DoP 27939390, certified by Factory Production Control Body 1029 and provided with the CE mark
DoP 71982566, certified by Factory Production Control Body 0120 and provided with the UKCA mark

PRODUCT INFORMATION

| | |
|----------------------------|---|
| Chemical Base | Aqueous solution of polycarbonic acid salts |
| Packaging | 200 litre drum, 1000 litre IBC |
| Appearance / Colour | liquid, colourless |
| Shelf Life | 12 months from date of production if stored in original, undamaged and sealed containers. |
| Storage Conditions | Protected from direct sunlight at temperatures between 5°C and 25°C. Use clean containers when delivered in bulk. |
| Density | 1.2 kg/L |
| pH-Value | 3.0 +/- 1.0 |
| Total Chloride Ion Content | <0.1% |
| Equivalent Sodium Oxide | <2.7% |

APPLICATION INFORMATION

Recommended Dosage

SikaTard®-930 is normally used at between 0.4 % to 3 % by weight of cement and added at the batching plant. The following table shows the approximate retarded stabilisation times at various dosages.

| SikaTard®-930 dosage | Stabilization 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 guideline only - for specific stabilisation periods, trials with the actual cement are essential.

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

VALUE BASE

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 is generally suitable for all types of Portland cement. For specific stabilisation periods pre-trials are essential.

Contact local Sika technical service for support.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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

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.

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Product Data Sheet

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