BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET

SikaTard®-930

HYDRATION STABILIZER FOR SHOTCRETE AND READY-MIX APPLICATIONS

PRODUCT DESCRIPTION

SikaTard®-930 is an admixture for the control of cement hydration. SikaTard®-930 allows stabilization of concrete mixes for long periods without negatively influencing the quality.

WHERE TO USE

- Wet and dry shotcrete applications
- Ready-mix applications
- Wherever the controlled set times are required
- Where the prevention of cement hydration in concrete is required

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 / CERTIFICATES

Meets the requirements of ASTM C494 Type B.

PRODUCT INFORMATION

Packaging	205 L (54 US gal.) drum 1040 L (275 US gal.) IBC Bulk delivery
Appearance / Colour	Liquid / Purple
Shelf Life	1 year when stored in dry warehouse conditions at temperatures between 10 °C and 27 °C (50 °F and 80 °F).
Storage Conditions	Protect from direct sun and frost. Store at temperatures above 5 °C (40 °F). If frozen, thaw and agitate thoroughly to return to normal state.
Specific Gravity	Approx. 1.1

APPLICATION INFORMATION

Recommended Dosage	Sika recommends dosage at 250-2000 mL/100 kg of cementitious materials depending on the retardation time. However, dosage rates will vary according to materials used, ambient conditions and the requirements of a specific project. Note that dosage rates outside the recommended range may be used where specialized materials such as microsilica are specified, extreme ambient conditions are encountered or unusual project conditions require special consideration. In such cases, contact your Sika Canada Technical Sales Representative for further information.
Mixing	**Mixing** For best results, add SikaTard®-930 to the mix together with the mixing water. During the wet process shotcreting Sika® Sigunit® accelerator is added at the spray nozzle to initiate fast setting. Preliminary trials on site should be conducted to determine the required dosage rates.To optimize the stabilizing effect, after the addition of SikaTard®-930, Sika recommends that the combined materials be mixed for 80-100 revolutions, either in the concrete mixer or in the ready-mix truck. **Combination with other admixtures:** SikaTard®-930 can be used in conjunction with all Sika® Sigunit® accelerators. It is also highly effective as single admixture.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & 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.

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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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca