



SikaTard® 930

Hydration Control Admixture

Description	<p>SikaTard 930 is a hydration control admixture used to extend the working life of concrete for long periods without any negative influence on the concrete quality.</p> <p>SikaTard 930 meets ASTM C 494 requirements as a Type B, retarding admixture.</p>
Applications	<p>SikaTard 930 is mainly used in:</p> <ul style="list-style-type: none">▪ Stabilization of freshly batched concrete for long hauls.▪ Wherever controlled set times are required.▪ Where prevention of cement hydration in fresh concrete or shotcrete is required.▪ Wet and dry shotcrete applications.
Advantages	<ul style="list-style-type: none">▪ Enables increase in the workable life of concrete up to several hours.▪ Offsets the effect of slump loss and enables to control the set time of concrete.▪ Flexibility in planning and scheduling of concrete pours.▪ Concrete containing SikaTard 930 and used for shotcrete applications can be accelerated by Sigunit accelerators at any time. Concrete which is pumped or placed conventionally can be accelerated using accelerators such as SikaSet NC and Plastocrete 161FL at any time.
How to Use	
Dosage	<p>Dosage rates will depend on the period for which the concrete needs to be stabilized, the mix design and materials used, ambient conditions and any other specific project requirement. For normal usages the dosage rate varies between 2 to 5 fl.oz per 100 lbs (0.13 – 0.33 liters/100 kg) of cementitious mass, for extended retardation dosages up to 48 fl. oz (3.1 liters/100 kgs) can be used. Trial mixes should be carried out to determine the exact dosage needed. Please contact your local regional office or the Technical Service Department at 1-800-933-7452 for more information and assistance.</p>
Mixing	<p>For best results, add SikaTard 930 to the concrete mix together with the mixing water at the concrete plant. When used in combination with other admixtures, care must be taken to dispense each admixture separately into the mix. Do not mix with dry cement.</p> <p>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.</p> <p>Combination with other Admixtures: SikaTard 930 works effectively as a single admixture or in combination with other admixtures in the Sika System.</p> <p>Shotcrete Applications: When used for wet shotcrete process, add SikaTard 930 as suggested above, the Sigunit accelerator is added at the spray nozzle to initiate fast setting.</p>



Construction

Storage and Shelf life	SikaTard 930 should be stored at above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to normal state. Shelf life when stored in dry warehouse conditions between 50°F and 80°F (10°C - 27°C) is 1 year. Protect from direct sun and freezing temperatures.
Packaging	SikaTard 930 is available in 55 gallon drum (208 liter), 275 gallon totes (1040 liters) and bulk delivery.
Typical Data	
Appearance	Clear liquid.
Specific Gravity	Approx. 1.1
CAUTION: IRRITANT.	Contains 5-Chloro-2-methyl-4-isothiazolin-3-one (Biocide) (CAS: 26172-55-4). May cause eye/skin/respiratory irritation. Harmful if swallowed.
Handling and Storage	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse. SikaTard 930 should be stored at above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to normal state.
First Aid	Eyes: Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin: Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation: Remove person to fresh air. Ingestion: Do not induce vomiting. Dilute with water. Contact physician. In all cases contact a physician immediately if symptoms persist.
Clean Up	Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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