

Sika® Control-75

Shrinkage Reducing Admixture

Description	Sika® Control-75 is a shrinkage reducing admixture used to produce high performance concrete with greatly reduced drying shrinkage. Sika® Control-75 conforms to the requirements of ASTM C-494, Type S.
Applications	<ul style="list-style-type: none">■ In situ concrete floors, to reduce shrinkage cracking for the same joint spacing, or increase joint spacing without increasing the risk of shrinkage cracking.■ In thin bonded topping slabs, to minimize the difference in shrinkage between the new topping and the existing substrate.■ In concrete elements which are restrained against shrinkage.■ For durable concrete in marine environments.■ For watertight concrete in reservoirs, sewage treatment plants, and dams.
Benefits	<ul style="list-style-type: none">■ Reduction in drying shrinkage and drying shrinkage cracking.■ Reduces the potential for slab curling.■ Substantially reduces permeability due to reduction in cracking, resulting in improved concrete durability.
How to Use	
Dosage	<p>Dosage rates will vary according to materials used, ambient conditions and the requirements of a specific project. Sika recommends a dosage of 8-40 fl. oz. per 100 lbs. (0.52 - 2.61 L/100 kg) of cementitious for general concrete applications. Dosage rates outside the recommended range may be used when unusual project conditions require special consideration. In this case, please contact your local regional Sika office or Sika Technical Service Department 1-800- 933-7452 for more information and assistance.</p> <p>Laboratory tests show that, at a dosage of 30 fl. oz./cwt. of Sika® Control-75, shrinkage over the long term can be reduced by as much as 40%. However, the amount of shrinkage reduction is dependent on the mix design and the components of the concrete. When using Sika® Control-75, lab and field tests are always recommended to verify the performance and handling characteristics of the specified concrete mix.</p>
Mixing	<p>The required dosage of Sika® Control-75 should be added to the concrete at the batching plant. It may also be added in the transit mixer at the point of discharge, but an additional mixing time of 5 minutes is required and the concrete should be visually checked for uniform consistency.</p> <p>Combination with other admixtures: Sika® Control-75 is highly effective as a single admixture or in combination with other Sika admixtures. Do not pre-mix with other admixtures.</p>

Concrete



PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800-933-7452. NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTION FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

Limitations**Important Notes**

- Sika® Control-75 will reduce drying shrinkage. It will not eliminate cracking. The reduction of cracking is dependent on good engineering design that allows for concrete shrinkage by incorporating well designed and properly located shrinkage control joints.
- It is essential to protect the concrete from water evaporation during the crucial early age period. We recommend the use of SikaFilm® evaporation retardant and curing compounds for this purpose. Refer to the respective technical data sheets for information.
- When Sika® Control-75 is used for the production of air entrained concrete, a higher dosage of the air entraining admixture may be required.
- Sika® Control-75 may cause retardation when used during cold weather concreting. This effect can be reduced by adding Sika® Rapid-1 or other accelerating admixtures.

Packaging

Sika® Control-75 is available in 55 gallon drums (208 liters) 275 gallon (1040 liter) totes and bulk supply.

Storage and Shelf Life

Sika® Control-75 should be stored above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to normal state.

Shelf life when stored in dry warehouse condition between 50°F and 80°F (10°C - 27°C) is one year.

Typical Data**Appearance**

Clear Orange Liquid

Specific Gravity

Approx. 1.00

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

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

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at <http://usa.sika.com/> or by calling 800-933-7452.

Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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Quality Certification Numbers: Lyndhurst: FM 69711 (ISO 9000), FM 70421 (QS 9000), Marion: FM 69715, Kansas City: FM 69107, Santa Fe Springs: FM 69408



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