

PRODUCT DATA SHEET

SikaControl[®]-75

SHRINKAGE REDUCING ADMIXTURE

PRODUCT DESCRIPTION

SikaControl[®]-75 is a shrinkage reducing admixture used to produce high performance concrete with greatly reduced drying shrinkage. SikaControl[®]-75 conforms to the requirements of ASTM C-494, Type S.

USES

- 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.

CHARACTERISTICS / ADVANTAGES

- 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.

PRODUCT INFORMATION

Packaging	SikaControl [®] -75 is available in 55 gallon drums (208 liters) 275 gallon (1040 liter) totes and bulk supply.
Appearance / Color	Clear Orange Liquid
Shelf Life	Shelf life when stored in dry warehouse condition between 50 °F and 80 °F (10–27 °C) is one year.
Storage Conditions	SikaControl [®] -75 should be stored above 40 °F (5 °C). If frozen, thaw and agitate thoroughly to return to normal state.
Specific Gravity	Approx. 1.00

APPLICATION INFORMATION

Recommended Dosage

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.

Laboratory tests show that, at a dosage of 30 fl. oz./cwt. of SikaControl®-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 SikaControl®-75, lab and field tests are always recommended to verify the performance and handling characteristics of the specified concrete mix.

Mixing

The required dosage of SikaControl®-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.

Combination with other admixtures: SikaControl®-75 is highly effective as a single admixture or in combination with other Sika admixtures. Do not premix with other admixtures.

LIMITATIONS

Important Notes

- SikaControl®-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 SikaControl®-75 is used for the production of air entrained concrete, a higher dosage of the air entraining admixture may be required.
- SikaControl®-75 may cause retardation when used during cold weather concreting. This effect can be reduced by adding Sika® Rapid-1 or other accelerating admixtures.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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