

## PRODUCT DATA SHEET

# SikaControl® FD-100

### INTEGRAL FRESH CONCRETE DENSIFIER

#### PRODUCT DESCRIPTION

SikaControl® FD-100 is a formulated liquid admixture used to densify freshly mixed concrete in interior flooring applications. SikaControl® FD-100 meets the requirements of ASTM C494, Type S admixture.

#### USES

SikaControl® FD-100 is recommended for use in Interior Concrete Slabs with highly aesthetical requirements and machine finished surface (hard troweled floors) such as:

- Warehouses
- Show Rooms
- Shopping malls
- Parking garages
- Schools / Hospitals
- Retail stores
- Hotels
- Manufacturing facilities

SikaControl® FD-100 is designed for use in non air entrained concrete applications only.

#### CHARACTERISTICS / ADVANTAGES

SikaControl® FD-100 increases density of freshly mixed non air entrained concrete. SikaControl® FD-100 is suitable for interior flooring applications with a hard trowel finish. Use of SikaControl® FD-100 results in dense concrete with reduced amount of pinholes, open pores and other surface defects.

SikaControl® FD-100 helps to achieve concrete properties as described in the ACI 302.1R-15 - Guide to Concrete Floor and Slab construction. SikaControl® FD-100 provides the following advantages:

- Concrete with minimum surface defects
- Reduced risk of blistering and delamination issues
- Easy to finish polished surface
- Improved concrete aesthetics
- Improved concrete uniformity and reduced risk of claims related to elevated air content
- Improved concrete durability

#### PRODUCT INFORMATION

<b>Packaging</b>	SikaControl® FD-100 is available in 55 gallon drums (208 liters), 275 gallon (1040 liters) totes and bulk delivery.
<b>Appearance / Color</b>	Yellowish Liquid
<b>Shelf Life</b>	Shelf life when stored in dry warehouse conditions between 40 °F and 80 °F (5–27 °C) is 6 months from date of manufacture. Protect from frost and direct sunlight.
<b>Storage Conditions</b>	Should be stored above 40 °F (5 °C). If frozen, thaw and agitate thoroughly to return to normal state.
<b>Specific gravity</b>	Approximately 0.89

## APPLICATION INFORMATION

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### Recommended Dosage

Recommended dosage rates will be typically between 0.5 to 3.0 fl.oz/100 lbs (32.5–195 ml/100 kg) of cementitious materials.

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### Mixing

To achieve the best performance add SikaControl® FD-100 into the mixing water. In cases when this is not possible, SikaControl® FD-100 can be dispensed directly to freshly mixed concrete in the mixer at the end of batching cycle. To achieve proper dispersion of the product throughout the entire concrete volume, mixing time of minimum 90 seconds is recommended. SikaControl® FD-100 should not be dispensed directly onto cement, slag or fly ash.

**Combination with other Admixtures:** SikaControl® FD-100 can be used in combination with other Sika admixtures, however, each admixture should be added separately to the mix. It is always recommended to verify actual performance by conducting trial batches.

**Do not use SikaControl® FD-100 in air entrained concrete.**

In cases, when SikaControl® FD-100 is stored in bulk tanks, periodical checks of dispensing lines are recommended to prevent product leakage. Use only oil resistant hoses. SikaControl® FD-100 may cause deterioration of rubber hoses. Please contact your local regional office or technical service department at 1-800-933-7452 for further assistance.

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## 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.

## 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.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## 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](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. 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.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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