

# PRODUCT DATA SHEET

## Sikament<sup>®</sup>-475

### MULTI RANGE WATER REDUCING ADMIXTURE

#### PRODUCT DESCRIPTION

Sikament<sup>®</sup>-475 is a multi range water reducing and slump retaining admixture utilizing Sika's ViscoCrete<sup>®</sup> Technology. Sikament<sup>®</sup>-475 is designed to meet the requirements for ASTM C-494 Types A and F.

#### USES

Sikament<sup>®</sup>-475 is recommended for use in the production of conventional ready mixed concrete. Addition of Sikament<sup>®</sup>-475 to concrete enables water reduction and workability retention. Concrete containing Sikament<sup>®</sup>-475 can be used for any applications including slabs, paving, footings, wall panels, beams, columns and other concrete elements.

#### CHARACTERISTICS / ADVANTAGES

- Enables water reduction.
- Improves workability retention without significantly delaying the set time of concrete.
- Improves early and later age strength and durability of concrete.
- Minimizes potential for bleeding and segregation in concrete.
- Improves pumpability and reduces stickiness in concrete.
- Improves finishability and surface appearance of concrete.

Sikament<sup>®</sup>-475 does not contain calcium chloride or any other intentionally added chlorides and will not contribute to corrosion on steel reinforcement present in the concrete.

#### PRODUCT INFORMATION

<b>Packaging</b>	Sikament <sup>®</sup> -475 is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.
<b>Appearance / Color</b>	Light Gray Liquid
<b>Shelf Life</b>	Shelf life when stored in dry warehouse conditions between 40 °F and 80 °F (5–27 °C) is 12 months.
<b>Storage Conditions</b>	Sikament <sup>®</sup> -475 should be stored at above 40 °F (5 °C). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.
<b>Specific Gravity</b>	Approx. 1.05

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## APPLICATION INFORMATION

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### Recommended Dosage

Dosage rates will vary depending on the material used, ambient conditions and the requirements of a specific project. For general concreting applications, Sika recommends a dosage rate between 3-15 fl. oz. / 100 lbs. (200–980 ml / 100 kg) of cementitious materials. If maximum water reduction is required, dosage up to 20 fl. oz. / 100 lbs. (1300 ml / 100 kg) or above of cementitious materials may be used.

In this case, delayed setting times may occur. 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 this case please contact your local regional Sika office or Sika Technical Service department at 1-800-933-7452 for further information.

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### Mixing

For best plasticizing results, Sikament®-475 should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle. Sikament®-475 may also be dispensed as an integral material during the regular admixture batching cycle, or into freshly mixed concrete in a Ready-Mix truck at the concrete plant or job site. To optimize the superplasticizing effect, 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:** Sikament®-475 is highly effective as a single admixture or in combination with other Sika admixtures. If used in combination with certain Sikament® high range water reducers, it may affect the plastic properties of fresh concrete. Please contact your local regional office or technical service department at 1-800-933-7452 for further information.

**Combination with Pozzolanic Materials:** Sikament®-475 is well suited for use with pozzolanic materials such as fly ash, slag, silica fume and metakaolin.

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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.

## 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](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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