

PRODUCT DATA SHEET

Sika® ViscoCrete®-225 P

HIGH RANGE WATER REDUCING POWDERED SUPERPLASTICIZER

PRODUCT DESCRIPTION

Sika® ViscoCrete®-225 P is a third generation high range water reducing and superplasticizing powder admixture for use in concrete and mortar. It is based on Sika's patented 'ViscoCrete®' polycarboxylate polymer technology.

USES

Sika® ViscoCrete®-225 P may be used in a variety of concrete applications but is especially suited for the production of mortar and concrete dry mix. Sika® ViscoCrete®-225 P facilitates extreme water reduction, excellent flowability, optimal cohesion, and promotes excellent self compacting behavior.

Sika® ViscoCrete®-225 P is recommended for the following applications:

- Grouts in general.
- Non Shrink Grouts.
- Screeds in general.
- Self leveling Screeds.
- Gypsum and Anhydrite Screeds.

Sika® ViscoCrete®-225 P has been formulated to provide maximum water reduction however is suitable and may be utilized for all levels of water reduction. Can be combined with other ViscoCrete® powders to attain maximum effects such as flowability and retardation.

CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete®-225 P is a unique, specially formulated polycarboxylate powder that combines different mechanisms and is compatible with a variety of cement chemistries. Through surface adsorption and steric separation effect on the binder particles, in parallel to the hydration process, the following advantages may be observed:

- Effective when utilized with cements that have high C3A, sulphate and alkali content.
- Effective when utilized with ordinary portland cements (OPC) and blends of OPC and aluminate cements.
- Compatible with other additives (i.e. citric acid).
- Extremely high water reduction (resulting in high density and strengths).
- Excellent flowability (resulting in greatly reduced placing and compacting efforts).
- Increased high early strength development.
- Improved shrinkage and creep behavior.
- Low absorption time, "wets out" faster than competitive materials.
- Medium retardation.
- Ideal for use in self-leveling, self-compacting applications.

PRODUCT INFORMATION

Packaging	Sika® ViscoCrete®-225 P is available in 44 lb. (20 kg) bags, 40 bags/pallet.
Appearance / Color	White powder
Shelf Life	Shelf life when stored properly in undamaged, unopened, original sealed packaging in dry warehouse conditions between 45°F and 80°F (7°C - 27°C) is

1 year.

Storage Conditions

Protect from direct sunlight and frost. Store in dry warehouse conditions between 45 °F and 80 °F (7–27 °C).

Bulk Density

0.6 ± 0.1 g/cm³

APPLICATION INFORMATION

Recommended Dosage

Depending on the application, the dosage of Sika® ViscoCrete®-225 P varies from 0.05 to 0.5% of the powder weight. At high dosage Sika® ViscoCrete®-225 P can cause retardation as well as at low temperatures.

Mixing

Sika® ViscoCrete®-225 P is added to the dry mix at the beginning of batching cycle. For optimum utilization of the high water reduction it is recommended to allow a minimal wet mixing time of 30 seconds. Sika® ViscoCrete®-225 P is highly effective as single added admixture or in combination with other Sika Admixtures. If used in combination with certain Sikament® water reducing admixtures plastic properties can be affected. Please contact your local sales representative or technical service department at 1-800-933-7452 for further information.

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 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.

Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.

Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



Product Data Sheet

Sika® ViscoCrete®-225 P
July 2020, Version 01.02
021304011000000008

SikaViscoCrete-225P-en-US-(07-2020)-1-2.pdf

