

PRODUCT DATA SHEET

Sika® WT-215 P

PERMEABILITY REDUCING ADMIXTURE

PRODUCT DESCRIPTION

Sika® WT-215 P is an integral powdered crystalline based permeability reducing admixture (PRA) for use in various watertight concrete applications. Sika® WT-215 P meets the requirements of ASTM C 494 Type S and is NSF/ANSI Standard 61 certified.

USES

Use of Sika® WT-215 P is recommended but not limited to the following areas.

Industrial Applications:

- Tunnels
- Subway stations
- Manholes
- Bridges
- Water tanks
- Dams and reservoirs
- Water treatment plants
- Secondary containment structures

Commercial Applications:

- Shopping centers
- Libraries
- Computer rooms
- Elevator pits
- Basements
- Water parks
- Underground parking garages

Residential Applications:

- Foundations
- Concrete basements
- Swimming pools

CHARACTERISTICS / ADVANTAGES

Sika® WT-215 P is a plant added crystalline based permeability reducing admixture. Sika® WT-215 P reduces ability of concrete to conduct water flow. Sika® WT-215 P uses unique active chemicals, which react with the moisture within the concrete and with various products of the cement hydration process. As a result of this reaction insoluble crystalline compounds are created throughout the entire capillary system. Over time crystalline formations reduce the size of the capillary pores until they are completely blocked and water flow is stopped.

Use of Sika® WT-215 P in watertight concrete application can result in:

- Lower construction cost
- Faster construction process
- Uniform waterproofing throughout the entire concrete volume
- Resistance against hydrostatic pressure up to 14 ATM (206 psi)
- No leakage due to surface damage
- Ability to seal concrete cracks up to 0.02 in (0.50 mm)
- Easy application due to unique repulpable bags
- Meets the requirements of ASTM C 494 Type S
- NSF/ANSI Standard 61 certified

PRODUCT INFORMATION

Packaging	12 lbs. repulpable bags, 180 bags per pallet.
Appearance / Color	Light Gray Powder
Shelf Life	Shelf life of Sika® WT-215 P when stored unopened in dry warehouse conditions between 40 °F and 80 °F (7–27 °C) is 1 year.
Storage Conditions	Sika® WT-215 P should be stored at above 47 °F (7 °C). Protect from moisture. Opened containers should be properly sealed to prevent moisture ingress. Product stored in re-sealed containers should be used within 4 months after opening.

APPLICATION INFORMATION

Recommended Dosage	Recommended dosage is 2 % by weight of cementitious materials. Dosage above or below recommended rate can be used. For appropriate dosage rates for your project please contact your local Sika sales representative.
Mixing	<p>To maximize product performance, it is recommended to add Sika® WT-215 P during the mixing process at the concrete plant. Time of the addition depends on the concrete plant set up.</p> <p>Central Mix Operations - Add product at recommended dosage into central mixing drum before introducing other mix components. In cases this is not possible due to a plant set up, add Sika® WT-215 P directly into mixing drum of ready mix truck before loading with freshly mixed concrete.</p> <p>Dry Batch Operations - Add Sika® WT-215 P directly into the drum of the ready mix truck to ensure even distribution of Sika® WT-215 P throughout the entire concrete volume. It is recommended to introduce approximately 50–60 % of mixing water to form a slurry. Mix for 2–3 minutes before adding the rest of the materials to the ready mix truck according to standard mixing practices.</p> <p>Precast Operations - Add Sika® WT-215 P either on a coarse aggregate belt or directly into the empty mixer before mixing process starts. To ensure ideal product dispersion throughout the entire concrete volume, do not add product to the freshly mixed concrete at the end of the batching cycle as this may lead to insufficient bag disintegration, clumping, balling and inadequate homogeneity of concrete mixture. Always allow Sika® WT-215 P to thoroughly mix at medium/high speed for at least 1 minute per cubic yard or a minimum 3 minutes.</p> <p>Combination with Other Admixtures: Sika® WT-215 P can be used as a single admixture or in combination with other admixtures produced by Sika. Please contact your local regional office or technical service department at 1-800-933-7452 for further information. Sika® WT-215 P can be used in combination with other supplementary materials. In this case the performance of the actual mix design should be verified to confirm accordance with project specifications.</p> <p>Setting Time and Strength: A slight retardation of set may occur when using Sika® WT-215 P. The amount of retardation will depend on ambient conditions, concrete temperature and concrete mix design and dosage rate of Sika® WT-215 P. Concrete containing Sika® WT-215 P, may develop higher ultimate strengths than reference concrete.</p>

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.

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