

PRODUCT DATA SHEET

Sika® WT-240 P

CRYSTALLINE PERMEABILITY REDUCING ADMIXTURE

PRODUCT DESCRIPTION

Sika® WT-240 P is an integral powdered crystalline based permeability reducing admixture. Sika® WT-240 P meets the requirements of ASTM C494/AASHTO M 194, Type S and is certified to NSF/ANSI/CAN 61.

USES

Sika® WT-240 P is designed for use in various watertight concrete applications including but not limited to the following structures:

Industrial Applications:

- Tunnels and Subway Stations
- Manholes
- Bridges
- Water Treatment Plants and Water Tanks
- Dams and Reservoirs
- Secondary Containment Structures

Commercial Applications:

- Shopping Centers
- Libraries
- Data Centers and Computer and Server Rooms
- Elevator Pits
- Basements
- Water Parks
- Underground Parking Garages

Residential Applications:

- Foundations and Concrete Basements
- Swimming Pools

Sika® WT-240 P can be used in the production of SCC (Self-Consolidating Concrete) and conventional slump concrete, and is effective in concrete containing

Portland Limestone Cement (PLC/Type IL) and supplementary cementitious materials.

CHARACTERISTICS / ADVANTAGES

Sika® WT-240 P uses a unique combination of active ingredients which react with ingress moisture within concrete. This reaction forms insoluble compounds throughout the capillary system in the concrete matrix resulting in crack healing properties and an improved resistance to water permeability. Additionally, Sika® WT-240 P has minimal impact on set and strength characteristics.

Sika® WT-240 P also provides the following benefits:

- Uniform waterproofing throughout the entire concrete volume,
- Improved resistance against hydrostatic pressure,
- Ability to seal non-moving concrete cracks up to 0.016 in (0.40 mm),
- Improved durability and service life,
- Lower construction costs compared to traditional types of waterproofing,
- Potentially eliminates the risk of damage to traditional types of waterproofing systems during the construction process.

In addition to the use of Sika® WT-240 P it is recommended the concrete is designed for a minimum cementitious content of 590 lbs per cubic yard and a maximum water/cementitious ratio of 0.42. For optimum permeability reduction, proper curing of freshly placed concrete per ACI 308R-01 - Guide to Curing Concrete should be followed.

Sika® WT-240 P does not contain intentionally added chlorides.

ENVIRONMENTAL INFORMATION

Potentially eliminates need for post-placement applied barrier, compressing the construction schedule and associated carbon footprint. Extends service life.

A Manufacturer Inventory is available for Sika® WT-240 P.

For further information, please visit:
<https://usa.sika.com/en/sustainability.html>

PRODUCT INFORMATION

Packaging	Available in 24 lb (10.89 kg) repulpable bags, 90 bags per pallet.
Shelf Life	Shelf life when stored in unopened original packaging in dry warehouse conditions between 40°F and 80°F (5-27°C) is one year from the date of manufacture.
Storage Conditions	Sika® WT-240 P must be stored in a dry environment. Damaged, exposed or unprotected packaging will absorb moisture resulting in an unusable product. Open bags should be properly sealed to prevent moisture ingress; however, the shelf life of resealed bags may be reduced.
Appearance / Color	Light Gray Powder

APPLICATION INFORMATION

Recommended Dosage	The typical dosage rate of Sika® WT-240 P is 2% by weight of cement or cementitious materials. Various factors will affect the dosage rates. Trial mixes with the actual materials should be conducted to determine the required dosage for optimum performance. To the extent specialized materials are used, extreme ambient temperatures are encountered, or for other unusual project conditions, dosage rates outside the typical range may be required. For dosage rates outside the typical range, please contact your local Sika representative or the Sika Technical Services Department at 1-800-933-7452.
Mixing	To assure homogeneous dispersion, maximize product performance and complete bag disintegration, it is recommended to add Sika® WT-240 P during the mixing process at the concrete plant. Time of addition depends on the concrete plant set up. The 24 lb bags of Sika® WT-240 P are repulpable and designed to disintegrate through a combination of wetting and grinding during concrete mixing. The bags are intended to be added unopened and directly into a central or truck mixer prior to the aggregate loading phase. Do not add the bags to freshly mixed concrete as this may lead to insufficient bag disintegration, lumping, balling and inadequate homogeneity of concrete. Always allow Sika® WT-240 P to thoroughly mix at medium/high speed for at least 1 minute per cubic yard or a minimum 3 minutes. Compatibility: Sika® WT-240 P can be used in combination with other Sika admixtures and can be successfully used in mix designs utilizing supplementary cementitious materials.



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.

Always perform test batches to establish mix design and mix properties and performance prior to use.

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 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



Product Data Sheet
Sika® WT-240 P
June 2024, Version 03.01
021403011000000150

SikaWT-240P-en-US-(06-2024)-3-1.pdf

