

WRDA[®] P119K

Water-reducing initial set retarder

Product Description

WRDA[®]P119K is a ready-to-use aqueous solution of selected hydroxylated organic compounds. Ingredients are factory premixed in exact proportions to minimise handling, eliminate mistakes and guesswork.

WRDA P119K is formulated to comply with the following chemical admixture specification for concrete: SS 320:1987. ASTM C494 Type A and Type D; BS5075: Part 1.

One litre of WRDA P119K weighs approximately 1.10kg ± 0.02kg

Applications

WRDA P119K admixture retards the initial and final set of concrete throughout the recommended dosage range and provides better slump retention than normal retarding admixtures. WRDA P119K admixture also gives water reduction of typically 8 to 15% in the recommended dosage range.

WRDA P119K admixture is recommended for use in all concrete where extended setting time, superior workability and pumpability are desired in applications, for example, hot weather concreting application, or large volume concrete pours.

Product Advantages

- Extended setting time to facilitate sufficient delivery, placement, vibration or compaction time.
- Improved working time for placing concrete with better slump retention.
- Increased compressive, flexural and bonding strength with less concrete mix water.
- Reduced tendency to bleeding and segregation.
- Better pumpability, finishability and concrete appearance with improved plasticity and workability.
- Better cost economies in concrete production for a given strength and slump.
- Reduced water permeability to make concrete more watertight and improved concrete durability.
- Compatible with PFA concretes

Dispensing Equipment

Please contact your local GCP representative for further information regarding the dispensing equipment for this product.



Compatibility with Other Admixtures

WRDA P119K admixture is compatible in concrete with all other GCP admixtures. WRDA P119K admixture can be used alone as a single admixture or in combination with other admixtures to achieve cost effective customised performance. If used in combination with other admixtures, each admixture should be added separately.

Addition Rates

WRDA P119K admixture has recommended dosage ranges of between 300 to 800mL / 100kg of cementitious materials. The amount to be used will depend on the extension of setting time required under the job conditions. Longer setting times or higher temperatures will require higher addition rates. Conversely, the addition rates will be lower for shorter extensions of time. Consult your local GCP representative for assistance in determining the dosage rate for optimum performance.

Packaging

WRDA P119K is available in bulk, in 205L drums and in 1,000L totes. It contains no flammable ingredients. WRDA P119K will freeze at about -2°C , but will return to full strength after thawing and thorough agitation.

Health and Safety

See WRDA P119K Material Safety Data Sheet or consult GCP Applied Technologies.

th.gcpat.com | Thailand customer service: 66 2 030 9700

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

WRDA is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies, Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2017 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

GCP Applied Technologies Holdings (Thailand) Limited., 848 Moo 2, Bangpoo Industrial Estate (North), Phraksa Mai, Muang Samutprakarn, Samutprakarn 10280, Thailand

This document is only current as of the last updated date stated below and is valid only for use in Thailand. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.th.gcpat.com. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2023-07-07

th.gcpat.com/solutions/products/wrda-p119k