

QUANTEC[®] PL-450 Data Sheet

Plasticizer for Concrete Pipe

Product Description

QUANTEC[®]PL-450 admixture is specially formulated for use in the production of zero or low slump concrete pipe. QUANTEC PL-450 admixture is designed to produce a smooth texture on the web of the pipe. It may also be used in the manufacture of other low slump concrete products such as concrete block where a light swipe is desired.

Product Uses

QUANTEC PL-450 admixture may be used in all zero or low slump concrete pipe to increase workability while retaining cohesiveness and to provide for more complete hydration of the cement. QUANTEC PL-450 admixture improves the dispersion of the cement throughout the mix as well as improving the workability of the mix.

The increased workability achieved with QUANTEC PL-450 admixture allows for better compaction of the pipe with a reduction in surface cracking and improved surface quality, resulting in fewer culls. Overall quality of the pipe is improved with an enhanced surface appearance on the webbing of the pipe.

Product Advantages

- Enhanced web appearance
- Improved quality
- Reduced surface cracking
- Fewer culls
- Cost effective
- Improved green strengths

Application Information

Addition Rates:

QUANTEC PL-450 admixture is typically used at a rate of 2-5 fl oz/cwt (130 -325 mL/100 kg) of cementitious materials, including pozzolans. The addition rate is dependent upon the specific set of materials and the desired end properties.

Packaging

QUANTEC PL-450 is available in drums and returnable totes.

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for QUANTEC PL-450 admixture must be followed.

Storage

QUANTEC PL-450 admixture will begin to freeze at approximately 32 °F (0 °C), but will return to full strength after thawing and thorough mechanical agitation.

gcpat.com | North America Customer Service: +1 (877) 423 6491

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.

QUANTEC 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 2018 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Suite 400, Alpharetta, GA 30009, USA

GCP Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6

This document is only current as of the last updated date stated below and is valid only for use in the United States. 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.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: 2023-06-28

gcpat.com/solutions/products/masonry-hardscape-solutions/quantec-pl-450-data-sheet