

QUANTEC® PL-488 Data Sheet

Plasticizing Admixture

Product Description

QUANTEC®PL-488 admixture is specifically formulated for use in the manufacture of concrete block, concrete pavers, concrete pipe, and other concrete products where the process requires zero or low slump concrete and where a smooth, tight, surface finish with a swipe is desirable. QUANTEC®PL-488 admixture is formulated to improve workability and increase strength.

Product Advantages

- Increased throughput
- Smoother, denser surface
- Reduced cracking and crazing
- Sharper corners and edges
- Cost effective

Product Function

QUANTEC®PL-488 admixture may be used in all low slump manufactured concrete products to improve the manufacturing efficiency while increasing strength. The admixture produces the rich smear required for a smooth, swipe finish. QUANTEC®PL-488 is intended for use in concrete block mixes and may be beneficial if used in concrete pipe, concrete pavers, and concrete brick.

QUANTEC®PL-488 admixture is both a dispersing agent and a strength enhancer designed to provide a swipe finish. By dispersing the cement and aggregate fines, it improves the workability of the mix. Dispersion of the cement results in more complete hydration, and consequently, greater strength for any given cement content.

The improved workability provided by QUANTEC®PL-488 admixture allows for better compaction of the concrete with less cracking and crazing and sharper corners and edges, resulting in fewer culls. Production can be increased, absorption reduced, and appearance and surface characteristics greatly improved.

Application Information

QUANTEC®PL-488 is compatible with other admixtures, but when multiple admixtures are used they must be added separately to the mix.

Addition Rates

QUANTEC®PL-488 admixture is used at a rate of 0.5-2 oz/cwt (33-130 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-488 is available in 55 U.S. gallon (208 L) drums and 275 U.S. gallon (1,040 L) returnable totes.

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for QUANTEC®PL-488 must be followed.

Storage

QUANTEC®PL-488 admixture will begin to freeze at approximately 32 °F (0 °C), but will return to full strength after thawing and thorough mechanical agitation.

North America customer service: 1-877-4AD-MIX1 (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: 2023-06-29

gcpat.com/solutions/products/masonry-hardscape-solutions/quantec-pl-488-data-sheet