

QUANTEC[®] PL-490

Concentrated plasticizer

Product Description

QUANTEC[®] PL-490 admixture is a concentrated plasticizer specially formulated for use in the production of concrete block, concrete, pipe and other low slump concrete products where a smooth, tight surface with a light swipe is preferred.

QUANTEC[®] PL-490 admixture is supplied as a liquid concentrate but it is intended to be used in a diluted form.

Product Uses

QUANTEC[®] PL-490 admixture may be used in all zero or low slump concrete to increase workability while retaining cohesiveness, and to provide for more complete hydration of the cement. QUANTEC[®] PL-490 admixture is a plasticizer which improves the dispersion of the cement throughout the mix as well as improving the workability of the mix which can improve machine efficiency.

The increased workability achieved with QUANTEC[®] PL-490 admixture allows for better compaction of the block with less cracking and sharper corners and edges, resulting in fewer culls. Production can be improved while maintaining a smoother, denser surface with a light swipe.

Product Advantages

- Light swipe
- Increased throughput
- Sharper corners and edges
- Fewer culls
- Cost effective
- Smoother, denser surface
- Better compaction

Application Information

Addition Rates

QUANTEC[®] PL-490 admixture is supplied as a concentrate, but it is recommended that it be diluted prior to use. The recommended dilution rate is one part QUANTEC[®] PL-490 admixture to ten parts water.

Add 30 gallons (114 L) of water to a 55 gal (208 L) drum. Then add 5 gallons (19 L) of QUANTEC® PL-490 admixture. While mixing, add the remainder of the water to the drum and mix until homogeneous. Use this solution at a dosage rate of 3-7 fl oz/ cwt (195-455 mL/100 kg) of cementitious material, including pozzolans. If desired, QUANTEC® PL-490 admixture may also be used in concentrated form. As a concentrate, QUANTEC® PL-490 admixture is used at the rate of 0.3-0.7 fl oz/cwt (20-45 mL/ 100 kg) of cementitious material, including pozzolans.

Packaging

QUANTEC® PL-490 admixture is available in drums and returnable totes.

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for QUANTEC® PL-490 admixture must be followed.

Storage

QUANTEC® PL-490 admixture will begin to freeze at approximately 32°F (0°C) but will return to full effectiveness after thawing and mechanical agitation.

gcpat.com | North America Customer Service: 1 877-4AD-MIX1 (1 877-423-6491)

Australia 1800 855 525 New Zealand +64 9 448 1146 China Mainland +86 21 3158 2888 Hong Kong +852 2675 7898 India: Chennai +91 44 6624 2308 Delhi +91 124 402 8923 Indonesia +62 21 893 4260 Japan +81 3 5226 0231 Korea +82 32 820 0800 Malaysia +60 3 9074 6133 Philippines +63 49 549 7373 Singapore +65 6265 3033 Thailand +66 2 709 4470 Vietnam +84 8 3710 6168

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., 62 Whittemore Avenue, Cambridge, MA 02140, USA

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: 2018-08-24

gcpat.com/solutions/products/masonry-hardscape-solutions/quantec-pl-490