

QUANTEC® PL-490 Data Sheet

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.

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