

QUANTEC® PL-495R Data Sheet

Concentrated plasticizer

Product Description

QUANTEC®PL-495R admixture is a concentrated plasticizer specially formulated for use in concrete block, concrete pipe and other zero or low slump concrete products where a normal textured surface is desired.

QUANTEC®PL-495R admixture is supplied as a liquid concentrate, but it is intended to be used in a diluted form.

Product Uses

QUANTEC®PL-495R 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-495R 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-495R 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 normal texture.

Product Advantages

- Normal texture
- Increased throughput
- Sharper corners and edges
- Fewer culls
- Cost effective
- Better compaction

Application Information

Addition Rates

QUANTEC®PL-495R 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-495R 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-495R. 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-495R admixture may also be used in concentrated form. As a concentrate, QUANTEC®PL-495R 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-495R admixture is available in drums and returnable totes.

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for QUANTEC®PL-495R admixture must be followed.

Storage

QUANTEC®PL-495R 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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Last Updated: 2024-06-21

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