

Chryso®Quantec PL-490 (formerly Quantec® PL 490) Plasticizing Admixture

DESCRIPTION

Chryso®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.

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

ADVANTAGES

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

FIELDS OF APPLICATION

- Chryso®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. Chryso®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 Chryso®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.

Method of Use

Dosage

- Chryso®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 Chryso®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 Chryso®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, Chryso®Quantec PL-490 admixture may also be used in concentrated form. As a concentrate, Chryso®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.

CHARACTERISTICS

Product Nature	Liquid
Shelf life	12 months
Specific gravity (25°C)	1,057
pH (25°C)	9,40

PRECAUTIONS

- Chryso®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.

TECHNICAL DATA SHEET

Chryso® Quantec PL-490 (formerly Quantec® PL 490)

Plasticizing Admixture

Chryso
Concrete
Solutions

10/31/2025

PACKAGING

- 210 L (55 Gallons) Drum
- 1000L Tote (275 gallons)

SAFETY

Prior to any use, please read carefully the Safety Data Sheet.

The information contained in this technical data sheet is given to the best of our knowledge and the result from extensive testing - which were conducted in order to remain as objective as possible. However, it cannot, in any case, be considered as a warranty involving our liability in case of misuse or any different use of our products, other than those from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users.