

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.

TECHNICAL DATA SHEET

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

Plasticizing Admixture

Chryso
Concrete
Solutions

01/12/2026

CHARACTERISTICS

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

PACKAGING

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

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.

SAFETY

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