

Chryso® Quantec PL-477R (formerly QUANTEC® PL-477R)

Plasticiser

DESCRIPTION

Chryso® Quantec PL-477R admixture is specially formulated for use in the manufacture of machined concrete products where the process requires zero or low slump concrete, and where a normal textured surface is desired.

ADVANTAGES

- Faster cycle time
- Low use cost
- Increased plasticity
- Reduced cracking and crazing
- Sharper corners and edges
- Uniform texture
- Fewer culls

Method of Use

Dosage

- Chryso® Quantec PL-477R admixture is typically used at a rate of 130–325 mL/100 kg (2–5 fl oz/cwt) of cementitious materials, including pozzolans.
- The addition rate is dependent upon the specific set of materials and the desired end properties.

Additional Usage Recommendations

- Chryso® Quantec PL-477R admixture may be used in all zero or low slump concrete to increase workability while retaining cohesiveness. The admixture is intended for use in concrete block, concrete pipe, concrete roof tile and concrete brick.
- Chryso® Quantec PL-477R admixture is a dispersing agent. By dispersing the cement and aggregate fines it improves the workability of the mix. Dispersion of the cement results in more complete hydration of the cement.
- The increased workability allows for better compaction of the block with less cracking and crazing, and sharper corners and edges, resulting in fewer culls. Production cycle times can be increased, absorption reduced and appearance and texture greatly improved.

TECHNICAL DATA SHEET

Chryso® Quantec PL-477R (formerly QUANTEC® PL-477R)

Plasticiser

Chryso
Concrete
Solutions

10/28/2025

CHARACTERISTICS

Product Nature	Liquid
Apparent density	1,000
pH (25°C)	7,80

PACKAGING

- 210L Drum (55 gallons)
- IBC 1000L

PRECAUTIONS

- Chryso® Quantec PL-477R admixture will begin to freeze at approximately 0°C (32°F), but will return to full strength after thawing and thorough mechanical agitation.

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.