

QUANTEC® PL-477R Data Sheet

Plasticizer

Product Description

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.

Product Uses

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.

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 can be increased, absorption reduced and appearance and texture greatly improved.

Product Advantages

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

Application Information

Addition Rates

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

Packaging

QUANTEC® PL-477R admixture is available in drums and returnable totes.

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for QUANTEC®PL-477R admixture must be followed.

Storage

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

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