

QUANTEC® PL-466 Data Sheet

Plasticiser for low slump concrete products

Product Description

QUANTEC®PL-466 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 smoother, denser, surface finish with a swipe is desirable.

Product Uses

QUANTEC®PL-466 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 pavers, concrete roof tile and concrete brick.

QUANTEC®PL-466 admixture is a dispersing agent designed to provide a swipe finish. 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 provided by QUANTEC®PL-466 admixture allows for better compaction of the concrete with less cracking and crazing and sharper corners and edges, resulting in fewer culls. Production can be increased, absorption reduced, and appearance and surface characteristics greatly improved.

Product Advantages

- Faster cycle time
- Smoother, denser surface
- Reduced cracking and crazing
- Increased plasticity
- Sharper corners and edges
- Fewer culls
- Cost effective

Application Information

Addition Rates

QUANTEC®PL-466 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-466 admixture is available in drums and returnable totes.

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for QUANTEC®PL-466 admixture must be followed.

Storage

QUANTEC®PL-466 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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