

# QUANTEC<sup>®</sup> ULTRA ES

Admixture for concrete products

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## Product Description

QUANTEC<sup>®</sup> ULTRA-ES admixture is a high performance cement dispersant based on a patented technology. It has been formulated as a ready-to-use liquid for use in the production of architectural concrete block, concrete pavers and segmental retaining wall units.

## Product Uses

QUANTEC<sup>®</sup> ULTRA-ES admixture is a superior dispersant with a marked capacity to break up the cement agglomerates normally found in high cement content, dry-cast concrete mixtures.

The resultant increase in available cement surface area enhances the efficiency of cement hydration, producing units with reduced paste porosity and increased compressive strengths.

## Application Information

QUANTEC<sup>®</sup> ULTRA-ES admixture is compatible with most concrete additives but when multiple additives are used they must be added separately to the concrete mixture.

## Addition Rates

QUANTEC<sup>®</sup> ULTRA-ES admixture is used at a rate of 2-6 oz/cwt (130-390 mL/100 kg) of cementitious materials, including pozzolans. The addition rate is dependent upon the specific set of materials and the desired end properties.

QUANTEC<sup>®</sup> ULTRA-ES admixture produces little change to the appearance of the concrete units at the lower addition rates, but may provide a swipe/texture surface at the higher addition rates.

## Mixing Procedure

For maximum product efficiency add QUANTEC<sup>®</sup> ULTRA-ES admixture to the prewetted aggregate or after the cement has been wetted out. Allow an additional 60-120 seconds mix time after all of the admixture has been introduced.

## Product Advantages

- Improves cement utilization
- Reduces feed and finish times
- Increases compressive and strengths
- Reduces culls

## Packaging

QUANTEC® ULTRA-ES admixture is available in drums and returnable totes.

## Health & Safety

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

## Storage

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

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Last Updated: 2018-08-24

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