

TECHNICAL DATA SHEET

Qmix PLUS



Air Entraining Liquid Mortar Plasticiser

Description

Qmix PLUS is a Synthetic based air entraining mortar plasticiser designed to enhance the workability and freeze thaw resistance of brick and block laying mortars. It may be used to replace or supplement the use of lime, and is designed to accommodate variations in cement and aggregate sources throughout the world.

Appropriate standards

EN 934 Part 3 specification for air entraining (plasticising) mortar admixtures.

Applications

Qmix PLUS is designed to be used as a mortar plasticising admixture in brick and block laying mortars as well as rendering mixes.

Advantages

The properties of *Qmix PLUS* improves the workability mortars whilst reducing the amount of 'mixing water required to produce a cohesive mix, greatly reducing the incidence of cracking and crazing. *Qmix PLUS* will also provide enhanced resistance to frost attack in both wet and hardened mortar .

Qmix PLUS also:

- Works with most types of Portland Cement and difficult sands.
- Increases resistance to freeze/thaw damage.
- Reduces segregation and bleed in the mix.
- Is non corrosive to embedded metals.
- Increases working time.
- Makes mortars easier and faster to spread.
- Can be used to as an alternative to lime.

Technical Data/Typical Properties

Specific Gravity: 1.01
pH :11.8
Colour: Red
Chloride Ion Content: <0.1: (w/w) admixture (Nil)
Freezing Point (°C) -2°C

Use of Product

Qmix PLUS may be either pre-mixed with the water or added directly into the mixer at the same time as the water. **NB** The plasticising qualities of *Qmix PLUS* will result in a significant reduction in water demands of any given mix.

If hand mixing methods are used, an efficient mixing action should be used to ensure efficient production of properties.

Choice of mix designs should be made in line with British Standard Codes of Practice, or Relevant National Standards.

Qmix PLUS can be used in conjunction with other admixtures provided these are added separately to the mix. It can be used with most types of cement including sulphate resisting.

Dosage

Qmix PLUS is dosed proportionally to the cement content of the mix , typically at a rate of 140-280 ml per 50kg of cement.

Test mixes should be undertaken to determine optimum dosage, this will vary dependant on the sand used.

Packaging

Available in 1,5, 20 and 1000 litre containers.

Storage

Protect from extreme temperatures, will freeze but can be reconstituted by stirring after thawing.

Stir before use.

Shelf Life

Minimum two years when stored in accordance with the instructions.