

***Qmix* DH WINTER**

Cold Weather Plasticiser for Cement Mortars

Description

Qmix DH WINTER is a complex blend of Air Entraining Plasticisers and Accelerating additives designed to provide protection to freshly placed mortars down to temperatures of -8°C .

The use of **Qmix DH WINTER** also increases the long term durability mixes to which it is added.

Appropriate Standards

Complies with EN934/3

Applications

Suitable for:

- Brickwork
- Block laying
- Pointing
- Floor screeds

Advantages

- Increased frost resistance during setting.
- Non-corrosive to embedded metals.
- Increases workability in cold weather.
- Chloride free (chloride ion content $<0.1\%$).
- Reduces bleeding and segregation.
- Replaces lime
- Reduces likelihood of lime bloom and efflorescence.
- Reduces shrinkage (cracking and crazing reduced).
- Improves the bond between bricks and mortar
- Promotes higher strengths at an early stage

Technical Data/Typical Properties

Product Colour: White Granular Powder

Chloride Ion Content : $<0.1\%$ (w/w) of admixture (nil)

Qmix DH WINTER entrains microscopic air bubbles into cement mortars in a controlled manner as specified within EN934-3

Air entrained mixes produce greatly enhanced workability therefore reducing the amount of mixing water required to produce a cohesive mix.

Note: The provision of low temperature protection is dependent upon achieving the maximum level of water reduction within the mix.

Improved frost resistance in both freshly laid and hardened mortars, which also include air entraining plasticisers have been shown to be particularly durable in accelerated testing.

Use of Product

Note

Appropriate winter working precautions must be taken and local regulations relative to cold weather work complied with.

Qmix DH WINTER should be added to a small quantity of the mixing water and allowed to dissolve before adding directly into the mixing drum. Further mixing water should then be slowly added to the mix ensuring that the water addition is kept to a minimum.

All materials used in the mix must be free from ice and the temperature of the mix prior to placing not be less than 4°C .

Work should be covered after placing until the minimum strength is obtained or until the temperature rises above freezing.

Do not use weak mixes during cold weather.

Mixing

The product requires an efficient mixing action to ensure maximum entrainment of air.

If hand mixing is to be employed a vigorous mixing action must be employed to achieve the maximum plasticising effect.

Selection of appropriate mix designs should be made in line with the relevant National Standards and Codes of Practice.

Dosage

Qmix DH WINTER is packaged in pre-measured 75gram sachets.

Temperature down to -4°C 1 sachet per 25kg Cement

Temperature down to -8°C 2 sachet per 25kg Cement

Test mixes should be undertaken out to determine optimum dosage.

Packaging

Available in pre-measured 75gram sachets.

Storage

Store in cool, dry conditions.

Shelf Life

Minimum two years when stored un-opened in accordance with the manufacturer's instructions.