

QblockDH WINTER

Cold Weather Plasticiser for Concrete

Description

Qblock DH WINTER is a complex blend of Water Reducing Plasticisers and Accelerating additives designed to provide protection to freshly placed concrete down to temperatures of -8°C .

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

Appropriate Standards

Complies with EN934/2 Table7

Applications

Suitable for:

- Concrete
- Floor Slabs
- Precast Manufacture
- Floor screeds

Advantages

- Significant reduction in mixing water
- 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.
- Reduces shrinkage (cracking and crazing reduced).
- Promotes higher strengths at an early stage

Technical Data/Typical Properties

Product Colour: Brown Granular Powder

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

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

Use of Product

Note

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

Qblock 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 for any given application.

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.

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

Qblock 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.