

# TECHNICAL DATA SHEET



## Liquid Waterproofing and Plasticising Admixture

Qproof reduces water absorption and makes mortar or non-structural concrete less permeable. Due to its strong air-entraining plasticiser, the water cement ratio is much lower for the same workability.

### Appropriate Standards

Qproof has been tested to the requirements of EN 934 Part 3.

### Applications

Qproof is suitable for use in rendering finishes and pointing mortars. It is also used in reconstructed stone and non-structural concrete applications.

### Advantages

- Improves weathering properties.
- Reduced suction aids pebble dashing - larger areas covered easily.
- Improves water resistance
- Reduces onset of efflorescence
- Improved application properties
- Supplements/replaces lime
- Drying shrinkage, crazing and cracking reduced.
- Improved frost resistance

### Technical Data/Typical Properties

Specific Gravity: 1.010

PH: 11.60

Colour: Translucent / Yellow

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

Qproof contains a highly hydrophobic material which is dispersed throughout the mix and thus repels moisture.

Qproof also entrains air and this reduces capillary and water channel development, thus ensuring greatly increased water resistance and resistance to frost.

In addition, due to its plasticising action, reductions in water content of up to 20% can be achieved.

Qproof slightly retards the mix, e.g. A 3:1 sand/cement mix will be retarded by approximately one hour

### Use of Product

Qproof is ready for use and is added to the mixing water at the selected dosage rate.

### Note

Tests have shown that double the maximum recommended dose will reduce the strength of 3:1, rendering mortar by up to 20%.

Lean dry concrete mixes will retain their strength, although normal concrete will also lose strength after overdose.

Do not premix with other admixtures

Do not use in structural concrete

Do not over-mix

### Dosage

100 -250 mls per 25kg cement

### Packaging

Qproof is available in 1,5,20 and 1000 Litre containers

### Storage

Protect from frost. Stir before use

### Shelf Life

Minimum two years if stored in accordance with manufacturers instructions in unopened containers