

TECHNICAL DATA SHEET

Qproof DH



Concentrated Powder Water Resisting Admixture for Concrete and Mortar

Description

Qproof DH reduces passage of water through concrete and mortar. It considerably reduces water absorption.

By a physical action **Qproof DH** seals the surface of the mortar/concrete, producing a low permeability system.

The hydrophobic ingredient of **Qproof DH** is insoluble in water and therefore becomes a permanent constituent of hardened concrete or mortar.

Qproof DH also contains an air-entraining plasticiser which allows a reduction to be made in the water content of the mix whilst maintaining workability and the final strength of the concrete or mortar.

Qproof DH does not adversely affect setting time.

Areas of Use

To pre-cast concrete and reconstructed stone production.

To reduce water ingress in in-situ concrete, cement rendering and pointing mortars.

Advantages

Qproof DH disperses rapidly upon contact with the mixing water distributing itself throughout the mix.

- Hydrophobic element is insoluble in water.
- Becomes a permanent constituent of the hardened concrete and cannot evaporate or deteriorate.
- Does not change the setting time of cement, reduce strength of concrete or corrode reinforcement.
- Has no chemical reaction. Its action is physical and positive and is thus permanent.
- Water permeability and absorption is reduced, hence it prevents movement that can arise from intermittent wetting with a resultant reduction in surface crazing.
- Reconstructed stone work stays cleaner longer and has greater resistance to attack from atmospheric pollution.

Typical Properties

Specification Type: Conforms to EN934/2 . Water Resisting Admixtures (Table9)

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

Appearance: Light Brown Powder

Application

Mixing

Qproof DH is mixed at the rate of 1 x 25gram sachet per 25 Kg of cement used.

Qproof DH can be pre-mixed dry with the cement, or alternatively, it can be poured into the mixer at the time the cement is added to the aggregate.

Qproof DH is supplied in sachets and may be added directly into the mixing drum immediately before addition of the mixing water.

All cementitious mixes containing **Qproof DH** should be placed in accordance with good construction practice and relevant local codes of practice.

Good compaction is required in all applications.

Dosage

Qproof DH should be used at a rate of 1 sachet per 25 Kg of Cement used within the mix.

Packaging

Available in 25gram sachets

These sachets are available in both dissolvable and standard non-dissolving versions.

Storage

Store unopened in cool, dry conditions.

Shelf Life

Minimum two years when stored in accordance with the manufacturer's recommendations in unopened containers.