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mixDM

Concentrated Powder Water Resisting Admixture for Concrete and Mortar

CE Approved – Certificate No 0086-CPD-474888

DESCRIPTION

MIX DM reduces passage of water through concrete and mortar. It considerably reduces water absorption.

By a physical action MIX DM seals the surface the mortar/ concrete, producing a low permeability system. The hydrophobic ingredient of MIX DM insoluble in water and therefore becomes a permanent constituent of hardened concrete.

MIX DM 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.

MIX DM 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.

ADVANTAGES

MIX DM 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 acids.

TYPICAL PROPERTIES

Specification Type: Conforms to EN934/2 .

Water Resisting Admixtures (Table9)

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

Appearance: Off White Powder

MIXING

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

MIX DM 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.

MIX DM supplied in soluble sachets may be added directly into the mixing drum immediately before addition of the mixing water.

All cementitious mixes containing MIX DM should be placed in accordance with good construction practice and relevant codes of practice. Good compaction is required in all cases.

DOSAGE

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

PACKAGING

Available in 20 x 25gram sachets

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

STORAGE

Store unopened in cool, dry conditions.

HEALTH AND SAFETY

Minimum one year when stored in accordance with the manufacturer's recommendations in unopened containers.