

SIGMA HS

for

masonry block

SIGMA HS is a fine off-white free-flowing powder blend Water Repellent based upon selected long chain fatty acid salts, a natural polymeric resin plasticiser and inert pore fillers.

SIGMA HS is rapidly dispersed during mixing to impart dramatically reduced water absorption properties to the concrete.

SIGMA HS is also a particularly useful additive for the control of efflorescence by reducing moisture movement within the concrete.

SIGMA HS has no significant effect upon setting times or the strength of concrete but does impart slight plasticising properties for improved workability with minimal air entrainment.

Application

The high activity of Sigma HS makes it ideally suited for use in semi-dry and dry mixes in the production of cast and reconstructed stone, concrete masonry and pavings where minimum water absorption is essential.

Sigma HS is ideally suited for decorative products where good colour and good efflorescence control are of greatest importance.

Standards

All Christeyns products are produced in accordance with the ISO 9001:2000 Quality Management Standard and the ISO 14001 Environmental Management Standard.

Addition Rates

The recommended usage rates will depend upon the particular application and properties required. Typically 0.5 to 1% by weight of cement is recommended.



OSCRETE
construction products

Typical Properties

Nature

A water repellent based on long chain fatty acid salts.

Appearance

Off white free flowing powder.

Bulk Density

Approximately 0.6g/cc.

Air Entrainment

Sigma HS may increase the air content of concrete by 1 - 2%.

Acceleration/Retardation

No significant effect at recommended usage levels.

Chloride Ion Content

Nil (to BS5075)

Storage Life

Indefinite when stored in dry conditions.

Compatibility

Sigma HS can be used with all types of Portland Cement, including sulphate-resisting cements and cement replacements.

Compatibility with other admixtures:

It is not normally recommended that Sigma HS be premixed with other admixtures.

Handling

Sigma HS is a non-hazardous material but in line with general chemical handling precautions avoid contact with skin or eyes and protective gloves and goggles should be worn.

Refer to the Material Safety Data Sheet for Sigma HS for full details.

Packaging

20kg bags, 500 kilos per pallet, shrink wrapped.

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

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