

**Description**

Oscrete 164 Water Repellent is a fine off-white free flowing powder blend based upon selected long chain fatty acid salts, a natural polymeric resin plasticiser and inert pore fillers.

Oscrete 164 Water Repellent is rapidly dispersed during mixing to impart dramatically reduced water absorption properties to the concrete.

Oscrete 164 Water Repellent is also a particularly useful additive for the control of efflorescence by reducing moisture movement within the concrete.

Oscrete 164 Water Repellent 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**

Oscrete 164 Water Repellent is suitable for all mixes, especially semi-dry and dry mixes in the production of cast and reconstructed stone, concrete masonry and pavings where minimum water absorption is essential.

Oscrete 164 Water Repellent 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 1 - 2% by weight of cement is recommended.



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### Typical Properties

#### Nature

A water repellent based on long chain fatty acid salts.

#### Appearance

Off white free flowing powder.

#### Bulk Density

Approximately 1.25 g/cc.

#### Air Entrainment

Oscrete 164 Water Repellent 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

Oscrete 164 Water Repellent 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 Oscrete 164 Water Repellent be premixed with other admixtures.

#### Handling

Oscrete 164 Water Repellent is a non-hazardous material but in line with general

chemical handling precautions to avoid contact with skin or eyes protective gloves and goggles should be worn.

Refer to the Material Safety Data Sheet for Oscrete 164 Water Repellent for full details.

#### Packaging

25kg bags, 1000 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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