

AQUAPEL HS

Water Repellent

PRODUCT DESCRIPTION

Aquapel HS 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. **Aquapel HS** is also a particularly useful additive for the control of efflorescence by reducing moisture movement within the concretes. **Aquapel 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.

APPLICATIONS

The high activity of **Aquapel HS** makes it ideally suited for use in semi-dry and dry mixes for the production of cast and reconstituted stone, concrete masonry and paving where minimum water absorption is essential. **Aquapel HS** is ideally suited for decorative products where good colour and good efflorescence control are of greatest importance.

BENEFITS

- Reduced efflorescence.
- Reduced water absorption.
- Good dispersion.
- Neutral colour.

PROPERTIES

Nature:	Powder
Appearance:	White
Density:	approx. 0.600 g/cm ³
Chloride Content:	< 0.10%
Na ₂ O equivalent:	<1.00%

ADDITION RATES

Dosage rates vary dependant on mix design, process, aggregate type and the desired effect, but typically:

1000gms—3000gms per 100kg cement
(1.00% - 3.00% by weight of cement)

The correct dosage for the material package used should be determined by laboratory trials, please contact the OSCRETE technical department for further advice.

STANDARDS

Aquapel HS conforms to the requirements of BS EN 934-2 and is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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COMPATIBILITY

Aquapel HS is compatible with all types of EN 197 cement systems.

Aquapel HS should not be premixed with other admixtures and should be batched separately.

STORAGE

Aquapel HS should be stored undercover, protected from extreme temperature, frost and direct sunlight, the product has a minimum shelf life of 12 months. Moisture ingress will cause the product to harden.

HANDLING

Please refer to the **Aquapel HS** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

PACKAGING

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

NOTES

Aquapel HS should be added with the water or at the end of the mixing process and not directly onto the cement. A mixing time of at least 30 seconds is recommended after the addition of the admixture.

Aquapel HS water repellent may increase the air content of wet concrete.

Please consult the OSCRETE technical department for advice on admixture selection.

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Disclaimer

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