

AQUAPEL 179

Water Repellent

Description

Aquapel 179 water repellent is a fine off-white free flowing powder blend based upon selected long chain fatty acids and inert pore fillers. **Aquapel 179** has been specifically formulated for wet and semi-dry processes where it is readily dispersed in the mix to impart water resistance properties to the concrete. In addition to its excellent water absorption reducing properties, it also helps to control efflorescence problems by limiting moisture migration within the concrete pores.

Aquapel 179 when used within the limits of recommended dosing has no effect on the rate of setting or the strength of the concrete.

Applications

Aquapel 179 is suitable for wet and some semi-dry mixes in the manufacture of paving stones, walling blocks, reconstructed stone and decorative products. **Aquapel 179** will not affect production times in the manufacture of pressed products.

Benefits in Concrete

- Easily dispersed
- Controlled efflorescence
- Neutral set
- Reduced water absorption

Properties

Nature	Powder
Colour	White
Bulk Density	0.800 g/cm ³
pH	-
Chloride Content	<0.10%
Na ₂ O equivalent	<1.00%

Addition Rates

Dosage rates will be dependant on mix design, process, types of aggregates and the desired effect but typically:

500gms - 1000gms per 100 kg cement
(0.50% - 1.00% 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 179 complies with 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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CONSTRUCTION PRODUCTS

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Compatibility

Aquapel 179 is compatible with all types of EN 197 cement systems.

Aquapel 179 should not be pre-mixed with other admixtures and should be batched separately.

Storage

Aquapel 179 should be stored undercover, protected from extreme temperatures and stored unopened within the range 5°C and 30°C. Moisture ingress will cause the product to harden.

Handling

Please refer to the **Aquapel 179** Material Safety Data Sheet but in line with normal handling procedures, personal protective equipment should be worn.

Packaging

Aquapel 179 is supplied in 25kg bags, 1000kg per pallet shrink wrapped.

Notes

Aquapel 179 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 179 water repellent may increase the air content of wet concrete.

Please consult the OSCRETE Technical Department for advice on admixture selection.

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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PDS 0805 Rev 03 18/01/2016