

# AQUAPEL 179

## Water Repellent

### PRODUCT DESCRIPTION

**Aquapel 179** water repellent is a fine off-white free flowing powder blend based upon selected long chain fatty acid salts and inert pore fillers. **Aquapel 179** has been specially 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 the recommended dosing has little or 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

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

### PROPERTIES

Nature:	Powder
Appearance:	White
Density:	approx. 0.800 g/cm <sup>3</sup>
Chloride Content:	< 0.10%
Na <sub>2</sub> O equivalent:	<1.00%

### ADDITION RATES

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

500gms—1000gms per 100kg 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** 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 179** is compatible with all types of EN 197 cement systems.

**Aquapel 179** should not be premixed with other admixtures and should be batched separately.

### STORAGE

**Aquapel 179** 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 179** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

### PACKAGING

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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