

# OSCRETE 179

## Water Repellent

### Description

**Oscrete 179** water repellent is a fine off-white free flowing powder blend based upon selected long chain fatty acids and inert pore fillers. **Oscrete 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.

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

### Applications

**Oscrete 179** is suitable for wet and some semi-dry mixes in the manufacture of paving stones, walling blocks, reconstructed stone and decorative products. **Oscrete 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 <sup>3</sup>
pH	-
Chloride Content	<0.10%
Na <sub>2</sub> 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)

### Standards

**Oscrete 179** is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



FM/09569 *the Sign of Quality* EMS 73529



**OSCRETE**  
construction products



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### Compatibility

**Oscrete 179** is compatible with all Portland cement systems, including GGBS, Pfa and limestone blends.

**Oscrete 179** is compatible with all Oscrete admixtures, but should be added to the mix separately.

### Storage

Store the product in a dry environment at temperatures between 10 and 30 degrees centigrade. Moisture ingress will cause the product to harden.

### Handling

**Oscrete 179** is a non hazardous product but in line with normal handling procedures, protective gloves and goggles should be worn to avoid contact with skin and eyes.

Refer to the Material Safety Data Sheet for full details.

### Packaging

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

### Notes

**Oscrete 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.

**Oscrete 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 01 13/12/2010

