

# PCT WATER REPELLENT TECHNOLOGY<sub>CC</sub>



*"like water off a duck's back"*

PRODUCT DATA SHEET D-003

REVISION 2.1

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## PCT 56 WATER REPELLENT TECHNOLOGY

Hydrophobic Chemical Treatment for Cement Surfaces and Bricks

### 1. PRODUCT DESCRIPTION

PCT 56 WATER REPELLENT TECHNOLOGY is a pink hydrophobic penetrating chemical procedure for dry cementitious substrates.

### 2. PRODUCT FEATURES

PCT 56 Water Repellent Technology is a pink transparent liquid suitable for treatment of dry cementitious substrates to prevent the ingress of water or moisture that lead to paint failures. The product has zero surface tension and when applied to a surface it will penetrate and in the presence of atmospheric carbons and oxygen an insoluble hydrophobic inorganic crystalline structure is formed inside the capillaries by chemical reaction.

During the chemical reaction that takes place the product changes from organic to inorganic state. It will remain in the substrate for the life of the substrate.

Capillary water or moisture ingress is restricted in positive and negative manner by the hydrophobic inorganic barrier.

### 3. PRODUCT BENEFITS

A track record of 24 years since first formulation.

Economical

Permanent and durable

Ready to use, no thinning required

Water based, contains no toxic solvents

Impermeable to water or moisture

A chemical treatment, not a paint

Acid and alkali resistant

Will not affect the natural appearance of the substrate

Inorganic crystal forming

### 4. TYPICAL SUBSTRATES

Dry plaster surfaces

Bricks

Slasto

Paving

Sandstone

Cement roof tiles

Prefabricated walls

## 5. PRODUCT INFORMATION

|                  |  |
|------------------|--|
| COLOUR           | Pink transparent   |
| SOLID CONTENT    | 38% by mass  |
| SPECIFIC GRAVITY | 0.98   |
| VISCOSITY        | 15 Seconds Ford Cup  |
| SOLVENT          | Potable water  |
| SPREADING RATE   | 4 – 6 m <sup>2</sup> per litre depending on substrate porosity             |
| PH               | 10 – 12  |
| WATER INGRESS    | Wacker Academy Water Ingress Test Method<br>Zero head loss after 24 hours. |
| TEMPERATURE      | Softens at 1300°C<br>Minimum -3°C application                              |
| CURING TIME      | 24 hours at 25°C and 30% relative humidity.                                |
| LIFE EXPECTANCY  | Life of the substrate  |
| SHELF LIFE       | 6 Months   |
| POT LIFE         | Replace lid after use  |
| MIXING           | Ready to use, do not thin or reduce.                                       |
| SURFACE MOISTURE | Must be dry  |

## 6. SURFACE PREPARATION

Ensure that the surface is dry and free of dust or any foreign debris including any loose and flaking paint.

**Any substrate moisture will disturb the balanced product formulation and prevent the chemical reaction.**

**The surface must be 100% dry.**

## 7. APPLICATION DETAILS

- **Do a test on an inconspicuous area and allow to cure for 24 hours to confirm that the substrate is porous. Pour water onto this area and ensure that the repellent action is visible.**
- **Protect non-ferrous metal and glazing from overspray or spillage.**
- **Apply by household trigger action spray for small areas and Agri Backpack for large areas.**
- **Ensure that the substrate is saturated.**
- **Always commence application from top to bottom in continuous movement.**
- **Avoid any spillages, if spillages occur, remove immediately with a moist cloth.**
- **Avoid damming on the surface, remove any excess liquid immediately. Curing on the surface will leave a white crystalline residue which is extremely difficult to remove. Paint adhesion will be reduced and may lead to failure.**

## 8. CLEANING OF EQUIPMENT

Use potable water.

## **9. PACKAGING**

25 Litre Jerry Can

5 Litre Jerry Can

*The information contained in this document is meant as a guide for the specifier or user. It is gained from laboratory tests conducted in controlled environment and experience and many years of experience in Trade and DIY applications. No guarantee of performance is implied since application procedure, conditions of use, substrate condition and substrate cleanliness is beyond our control.*

*Should a Guarantee of Performance be required, PCT WATER REPELLENT TECHNOLOGY CC will present a written PROJECT SPECIFICATION subject to terms and conditions.*

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