

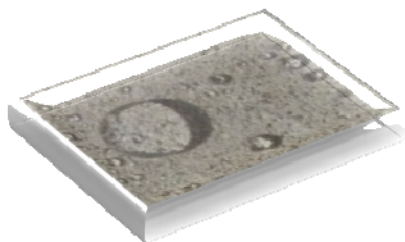


### DESCRIPTION

Chemguard WR 500 is one component, ready for use, silanesiloxane based water repellent coating for concrete and stone. A proprietary blend of penetrating silane-siloxane solution that creates a water repelling barrier in the sub surface of concrete, masonry, stone, brick and other porous and mineral materials.

The penetrated product resists the intrusion of salt and water, yet allows water vapor to pass through the treated surface. This reduces the damaging effect of moisture penetration and corrosion of reinforcing steel in concrete.

Chemguard WR 500 can also be used for injection into walls to prevent rising damp.



### RECOMMENDED USE

Recommended for the waterproofing of porous material such as :

- Exposed aggregate concrete.
- Vertical smooth finish concrete cement plaster.
- Granite and limestone.
- New brick.

### SURFACE PREPARATION

Surfaces must be clean and sound. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with absorption.

If a high degree of dampness is suspected, the surface should be allowed to dry out before applying the treatment. Dusty deposits, algae and loose flaking materials should be removed with a wire brush in order to present a surface which is easily treated.

Any obvious cracks or defective joints must be made good before treatment; otherwise Chemguard WR 500 will not prevent rain penetration.

### MIXING

Power mix to achieve homogeneous appearance. Avoid excessive air entrapment.

### APPLICATION

Apply liberally by brush or spray in one coat to all porous surfaces. If higher water repellency effect is desired, a second coat must be applied within 30 minutes of first application to achieve maximum water repellency. Periodic re-coating of the surface will be necessary to maintain water repellency. On all masonry materials, apart from high alkali limestones, this is envisaged being necessary after every 10 years.

### TECHNICAL INFORMATION

Appearance	Transparent
Specific gravity	0.80 @ 20°C
Surface Dry	2 hour
Full Cure	5 days at 25°C and 50% RH

### APPLICATION CONDITIONS

Min. Temperature	6°C
Max. Temperature	45°C
Relative Humidity (RH)	85%

### THEORETICAL COVERAGE

0.1 - 0.4 liter/ m<sup>2</sup> depends on the porosity of the substrate.

### SHELF LIFE

12 months when stored properly in unopened container in dry conditions at 10 - 25°C.

### CLEANUP

Tools and equipment can be cleaned with cloth dampened with White Spirit or Turpentine to wipe up drips and spatters promptly before product dries.

### PACKAGING

Chemguard WR 500 is available in 18 liters.

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## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Use with adequate ventilation and use a respirator when levels are above applicable limits. Avoid contact with skin and eyes. Close container after each use. Use good hygiene when handling this product .

## TECHNICAL SUPPORT

Technical assistance is available from the manufacturers trained field representatives.

## UPDATED

September 2014

### Unichem Product Group

Unichem offers a wide range of industrial coatings, fireproofing and construction chemicals products that are manufactured, which include:

- Intumescent coatings
- Fire retardants
- Industrial floorings.
- Steel and industrial coatings
- Waterproofing.
- Grouts and anchoring
- Concrete repairs.
- Structural protection.

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To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. Product when used accordance with manufactures printed application with UNICHEM specification for that, The material will perform in accordance with UNICHEM company specification for this product.