



# SILICONE WATERSEAL

## SOLVENT FREE MASONRY WATER REPELLENT



COATED



UNCOATED

### SPECIAL PROPERTIES

- Penetrates deep into the substrates
- Water based for use on dry or damp walls
- Non hazardous
- Fast acting, Superior performance to solvent based systems
- Easy to apply by spray or brush
- Only one coat required
- Protects against dust, dirt and efflorescence

Guaranteed for 10 years

### DESCRIPTION

N-virol Silicone Waterseal is an exterior masonry water repellent liquid based on a solvent free silicone/siloxane emulsion. Unlike solvent systems N-virol Silicone Waterseal can be used on damp walls. It protects brickwork against rain, damp and frost damage. Once cured, it prevents water and damp from penetrating through external brick, block or stone walls, whilst being permeable to water vapour and gases allowing the brick and stone to breathe, so moisture in the structure can escape.

N-virol Silicone Waterseal can be used on porous brickwork, cement renderings, cement/mineral boards, unglazed tiles, grouting, cast concrete, stonework (including those containing limestone) and pointing.

When fully cured N-virol Silicone Waterseal is colourless and clear with no sheen, and should not affect the appearance of treated surfaces. It is advisable to do a test area before full application.

The application of our exterior water repellent is the easy, modern and safe method used by the remedial building trade.

### INFORMATION

Damp penetration causes patches of damp on exterior wall surfaces, and in severe cases internal wall surfaces. This is created by differences in the capillary absorption of masonry. This can lead to numerous problems for the homeowner.

It can lead to wall tie corrosion.

The surface layer of the masonry can be damaged by the effects of frost. When water in the wall expands, it sets up high pressures on the pore structure causing deterioration of the surface layer.

Moss and mould growth can occur on the surface.

White salts can sometimes show themselves on the surface. There are water soluble salts in the masonry that are particularly dissolved by the water and carried to the outside during drying forming crystals on the exterior surface. These salts will dissolve when it rains.

Heat loss through a wet wall can be up to 3 times higher than through a dry wall.

Wet walls are cold walls and thermal insulation values are relative to the dampness of the wall. This can create "cold spots" internally which can lead to condensation and mould growth.

Treating surfaces with N-virol Silicone Waterseal will help to avoid the above problems by protecting the surface from exterior water (rain). It will also improve the exterior of the property as it can help prevent the accumulation of dirt.

### PREPARATION

Clean the surfaces to be treated, removing any dirt, grease, mould or fungus and any loose surface coatings. Mould release agents or decorative paints should be removed completely. Any structural defects such as mortar joints, re-pointing or rendering must be made good and be 'touch' dry before application of N-virol Silicone Waterseal. The product will not be as effective if the treated surface has cracks or defective joints.

### N-VIROL

Units 1-2, Riverside Business Park,  
Holme Lane, Rawtenstall, Rossendale. BB4 6JB

Tel: 01706 212030 Fax: 01706 213737 [www.nvirol.co.uk](http://www.nvirol.co.uk) [sales@nvirol.co.uk](mailto:sales@nvirol.co.uk)



Where the surface to be treated is contaminated with a lot of white salt coverage, it is unwise to treat the surface without seeking further advice.

To avoid residue splashes on wood, metal, window or door frames and glass these surfaces should be covered prior to using N-virol Silicone Waterseal. Plants should also be covered, preferably with plastic sheets.

**NOTE: Before applying to the surface, first test a small area for compatibility with the substrate.**

## APPLICATION

N-virol Silicone Waterseal can be applied to damp surfaces. Moving from top to bottom apply with a brush or low pressure spraying (avoid using a fine mist). Ideally N-virol Silicone Waterseal should only be applied when no rainfall is expected in order to allow treated surfaces to dry and cure. Treatment should be in wind free conditions to minimise spray drift.

A second coat can be applied (advisable where substrate is very porous) this should be done whilst the walls are still wet from the first coat.

## COVERAGE

Coverage will depend mainly on the porosity of the surfaces to be treated, application method, weather conditions and also the applying of a uniform coating. 5 Litres will cover up to 50m<sup>2</sup>.

## CLEANING

Remove any splatters on glass with household cleaner. Splashes should be removed as soon as possible as they will be extremely difficult to remove once the drying process starts.

## STORAGE

The product should be stored between 5°C and 25°C and for no longer than 12 months.

## PACKAGING

N-virol Silicone Waterseal is available in 5 Litre or 25 Litre containers.



## EFFECTIVENESS

N-VIROL Silicone Waterseal will become effective through moisture evaporation. Surface cure (beading) can occur within one hour under good drying conditions. Cold temperatures, with limited air movement and surface moisture contact may all extend the time taken for surface water repellence to develop.

Treated surfaces will remain permeable to water vapour allowing the surface to breathe.

## LIMITATIONS

N-virol Silicone Waterseal is not recommended to be used in temperatures of 5°C or below.

The product is not effective if applied on top of a painted surface. All existing decorative coatings need to be removed before application.

Whilst N-virol Silicone Waterseal is designed to be a final exterior coating, it can be over painted with a high quality breathable exterior masonry paint. This should be done within seven days of treating, but only once the treatment has dried.

Treated masonry will not prevent water penetration at pressures greater than 1.4kg / cm<sup>2</sup>.

The product should not be used on structures under hydrostatic pressure.

## HEALTH AND SAFETY

Handling N-virol Silicone Waterseal is not classified as hazardous according to current labelling guidelines. Wear lightweight impervious gloves when handling. Wash splashes from skin and eyes immediately. Wash hands and exposed skin before meals and after use. Keep in original container, tightly closed, in a safe place. Our full Health and Safety data sheet is available on request.

## TECHNICAL INFORMATION

N-VIROL is committed to excellence in product design and manufacture. The information provided in this data sheet is intended to guide both the DIY user and professional contractor in the appropriate use of our Silicone Waterseal.

If any further advice is required please consult our Technical Department.

## N-VIROL

Units 1-2, Riverside Business Park,  
Holme Lane, Rawtenstall, Rossendale. BB4 6JB

Tel: 01706 212030 Fax: 01706 213737 [www.nvirol.co.uk](http://www.nvirol.co.uk) [sales@nvirol.co.uk](mailto:sales@nvirol.co.uk)