



## SILICONE WATER REPEL

### WB (WATER-BASED)

#### PRODUCT DESCRIPTION

Silicone Water Repel WB is an alkali stable silicone micro emulsion in an aqueous base.

Silicone Water Repel WB has been formulated to be VOC free and to be stable under protracted storage conditions when prepared in ready-for-use concentrations.

Silicone Water Repel WB finds use as a high-quality alkali stable repellent suitable for use a variety of substrates and application methods, from post treatment by the home handyman to in plant fabricated mineral-based construction materials.

#### ADVANTAGES

- Reduction of water adsorption.
- Reduction of efflorescence.
- Reduction of lime erosion.
- Reduction of water borne dirt pick-up.
- Reduction of chemical vapour corrosion.
- Reduction of frost damage.
- Reductions of mildew, moss, and lichen growth.
- Restored thermal properties.

Stable in high and medium alkalinity substrates (concrete blocks, calcium silicate bricks and sandstone)

Does not impart the "wet look" to treated surfaces or contribute to surface gloss (when correctly applied).

Can be used as a primer on concrete block wall prior to painting to reduce the effect of capillary action forcing the paint off the surface.

#### SUBSTRATES

The proposed surface to be treated must be unsealed and of a porous nature.

Listed below are some of the substrates successfully treated with a guide of the expected coverage when applied to achieve maximum performance.

#### COVERAGE ESTIMATES

- Fibrous cement 6 - 10 m<sup>2</sup>/litre
- Cement render 1 - 2 m<sup>2</sup>/litre
- Concrete 2 - 4 m<sup>2</sup>/litre
- Aerated concrete 1 - 2 m<sup>2</sup>/litre
- Natural stone (including sandstone) 1 - 2 m<sup>2</sup>/litre
- Clay brick walls 1 - 2 m<sup>2</sup>/litre
- Concrete block walls 1 - 2 m<sup>2</sup>/litre
- Calcium Silicate bricks 1 - 2 m<sup>2</sup>/litre
- Terracotta tiles 1 - 2 m<sup>2</sup>/litre
- Slate 2 - 4 m<sup>2</sup>/litre

Remember these figures are a guide only, each individual substrate can give different results.

Substrate saturation is essential to give good quality results.

#### Special note on natural stones:

With porous natural stone (sandstone) a penetration of an absolute minimum of 5mm is suggested, with preference of 5-10mm.

The degree of penetration should be checked, if practicable by breaking a test slab of stone, prior to commencing the full job.

If the penetration is less than 5-10mm the application method should be altered or the stone dried out to reduce the likelihood any possible moisture barrier, preventing the ingress of the treatment.





## Technical Data Sheet

May-26

### PREPARATION

It is essential that all surfaces to be impregnated should be free from cracks etc.

Any cracks larger than 0.3mm should be filled.

Repair damaged expansion joints/ junctions, flashing and pointing should also be inspected and repaired where required.

Surface should be clean and dry prior to commencement of the treatment.

At least 6 hours rain free drying time is required after application.

### DIRECTIONS

Before commencing, shake the drum to ensure no separation of the resin has occurred.

Good technique is a "must" for good results.

The substrate to be treated should be flooded using a low-pressure spray only (an airless spray or compressed air sprayer operating with no air pressure at the gun tip).

High-pressure sprays should be avoided as this dilutes the amount of product used and reduces the amount of material on the substrate, reducing efficiency and efficacy of the treatment.

### TECHNICAL DATA

<b>COVERAGE</b>	Refer to substrate coverage estimates. Concrete 2-4m <sup>2</sup> per litre.
<b>CLEAN UP</b>	Water cleanup while wet.
<b>FIRST AID, SAFETY &amp; STORAGE</b>	Refer to Material Safety Data sheet.
<b>PACKS</b>	5L, 20L, 200L, 1000 (IBC)



COLOGRO SILICONE WATER REPEL WB - TDS MAY 2026

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the way, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Chemical House does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether in accordance with any advice, specification, recommendation, or information given by it.

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