



# Protect Crete X310 Repeller Plus + <sup>TM</sup>

**BPIR Declaration: Version:** PCX310 BPIR V1 27112023

**Designated building product:** Class 1

## Declaration:

Gilt Edge Industries has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

<b>Product Name</b>	Protect Crete X310 Repeller Plus + <sup>TM</sup>
<b>Product Line</b>	Colloidal Silicate Treatments for Concrete with Antimicrobial Formula
<b>Product Identifier</b>	PCX310

## Description:

X310 Repeller Plus + <sup>TM</sup> is an invisible antimicrobial, surface protection treatment for concrete, masonry, and some natural stone substrates. With PROVEN TESTED safe silver ion antimicrobial additive, X310 Repeller Plus + <sup>TM</sup> will protect the substrate from E coli & MRSA. A water-based formulation spray applied to new and existing substrates providing stain resistance from oils and other contaminants, compatible with line marking paints.

A breathable, low VOC treatment which penetrates concrete and chemically bonds to the silica, providing temporary hydrophobic repellence. With proven tested antimicrobial additive.

## Scope of use:

1. Concrete masonry and some natural stone substrates that require water repellence and stain resistance.
2. Antimicrobial surface protection.

Examples for areas of use are as follows: Internal or external exposed concrete and masonry surfaces, including polished and decorative concretes, and some natural stones such as limestone, sandstone, and travertine.

## Conditions of use:

X310 Repeller Plus + <sup>TM</sup> must be applied as per the most recently published Technical Data Sheet (TDS) where well documented procedures in both surface preparation and application are located.

Coverage Rates: Concrete and Masonry - 5m<sup>2</sup> to 8m<sup>2</sup> per Litre Natural Stone - 5m<sup>2</sup> per Litre

**Important Notes:**

1. Wax, paint, curing compounds restricting access to substrates interior must be chemically or mechanically removed for X310 Repeller Plus + <sup>TM</sup> to penetrate the substrate.
2. Areas of high porosity have a faster penetration rate. These areas that appear to penetrate immediately after spraying will require additional product. Re-application requires to be wet on wet, as when the product dries on the substrate surface the application will repel itself.
3. Do not apply on a frozen substrate or on a falling substrate temperature of below 3°C. Call for advice if applying during colder periods.
4. Do not apply on a substrate surface of 34°C or above. On hot days, the application of X310 Repeller Plus + <sup>TM</sup> should take place in early morning or in the cool of the evening, out of direct sunlight.
5. Do NOT apply if rain is forecast within 24 hours.
6. X310 Repeller Plus + <sup>TM</sup> may etch glass/tiles or dull brushed and shiny aluminium and can be difficult to remove from other surfaces once it dries. Cover and mask surrounding surfaces or rinse immediately if sprayed.
7. Incidental skin contact should not be hazardous, but ingestion or eye contact should be avoided. It is recommended to wear eye protection, gloves, and a painter's face mask during application.
8. Concrete being treated must be fit for purpose for the intended function of X310 Repeller Plus + <sup>TM</sup>. Structural cracks, active cracks, and faulty control and cold joints will not be repaired with a X310 Repeller Plus + <sup>TM</sup> application.

Storage and Handling procedures: please refer to the most recently published MSDS.

**Relevant building code clauses:****Contributions to compliance:**

1. Building Regulations 1992 - Clause B2-Durability. X310 Repeller Plus + <sup>TM</sup>, with only normal maintenance, will continue to satisfy the performance requirements of Building Regulations for 15 years.

The anti-microbial performance of X310 Repeller Plus + <sup>TM</sup> is confirmed by independent laboratory testing to the international standards (JIS and ISO) and is proven to be 99.99% effective against MRSA and E. coli (test reports available on request). With the combination of an anti-microbial additive

**Supporting documentation:**

The following additional documentation supports the above statements:

Title (Type)	Version	URL
X310 Repeller Plus + <sup>TM</sup> Technical Data Sheet	TDS 310 – V6 1- APR-23	<a href="https://giltege.co.nz/download/tsd-pcx310-repeller-steri-touch">https://giltege.co.nz/download/tsd-pcx310-repeller-steri-touch</a>



X310 Repeller Plus + <sup>TM</sup> Material Safety Data Sheet	MSDS July 2021	<a href="https://giltedge.co.nz/download/msds-pcx310-repeller-steri-touch">https://giltedge.co.nz/download/msds-pcx310-repeller-steri-touch</a>
Protect Crete Colloidal Silicate Technology – Product Performance	Nov 2023	<a href="https://giltedge.co.nz/download/product-performance-document?wpdmdl=11955&amp;refresh=65760872b3b4f1702234226">https://giltedge.co.nz/download/product-performance-document?wpdmdl=11955&amp;refresh=65760872b3b4f1702234226</a>
X310 Repeller Plus + <sup>TM</sup> VOC Certificate	12-09- 2023	<a href="https://giltedge.co.nz/download/voc-pcx310">https://giltedge.co.nz/download/voc-pcx310</a>
Protect Crete HACCP Certificate	PE-675- PC-1-06	<a href="https://giltedge.co.nz/download/protect-crete-haccp-certificate">https://giltedge.co.nz/download/protect-crete-haccp-certificate</a>

For further information supporting X310 Repeller Plus +<sup>TM</sup> claims refer to the manufacturer's website. [www.oxtek.com.au](http://www.oxtek.com.au)

#### Contact details:

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### **Warnings and Bans**

Is the building product/building product line subject to warning or ban under s26 of the Building Act 2004?

NO

### **Appendix**