



## Protect Crete X263 Medi-Vet Repeller™

**BPIR Declaration: Version:** PCX263 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 X263 Medi-Vet Repeller™
<b>Product Line</b>	Colloidal Silicate Treatments for Concrete with Antimicrobial Formula
<b>Product Identifier</b>	PCX263

### Description:

X263 Medi-Vet Repeller™ a single pack one application spray on system that deeply penetrates new or existing concrete, provides curing, permanent waterproofing, and surface protection from bacteria. With PROVEN TESTED safe silver ion antimicrobial additive X263 Medi-Vet Repeller™ will protect concrete from E coli & MRSA. The application of X263 Medi-Vet Repeller™ at time of the concrete pour will cure concrete to provide the hardened properties equivalent to that of water pond curing, permanently waterproof concrete from any direction, making the concrete impermeable and increasing its longevity whilst providing surface protection from contamination.

Adopting the use of X263 Medi-Vet Repeller™ at time of the concrete pour as an effective curing regime, will significantly reduce the incidence of dry shrinkage cracking, providing a hardened, denser and dust proof concrete.

X263 Medi-Vet Repeller™ provides enhanced antimicrobial surface protection and ease of cleaning against acids, oils, water-based stains, chemicals, body fluids, wine, grease, and others.

### Scope of use:

1. Effective curing regime for freshly placed concrete.
- 2 Surface Hardner, Densifier and Dust Proofing treatment for concrete.
3. Internal Moisture barrier for concrete prior to application of topical coatings or floor coverings.
4. Durability and waterproofing treatments for concrete structures.
5. Permanent antimicrobial protection for concrete elements.
6. Concrete substrates that require stain resistance.



Examples for areas of use are as follows: Internal or external exposed natural concrete, rooftop & basement Carparks, animal enclosures, restaurants, outdoor / indoor eating areas, garden centres, warehouses, factories, breweries, wineries.

**Conditions of use:**

X263 Medi-Vet Repeller™ 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: 5m<sup>2</sup> per Litre

**Important Notes:**

1. Wax, paint, curing compounds or a burnished surface restricting access to concrete's interior must be chemically or mechanically removed for X263 Medi-Vet Repeller™ to penetrate the substrate.
  2. To test for adequate porosity, apply droplets of water on the concrete surface, if the droplets do not penetrate the concrete within 2 minutes, then X263 Medi-Vet Repeller™ will not function properly and may be ineffective.
  3. Areas of high porosity have a faster penetration rate. These areas appear dry immediately after spraying and will require additional product.
  4. 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. Do NOT apply if rain is forecast within 3 hours.
  5. When applying line marking paint on X263 Medi-Vet Repeller™ treated concrete always follow the paint manufacturers surface preparation requirements (see Overcoat Timelines).
  6. X263 Medi-Vet Repeller™ 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. Concrete being treated must be fit for purpose for the intended function of X263 Medi-Vet Repeller™. Structural cracks, active cracks, and faulty control and cold joints will not be repaired with a X263 Medi-Vet Repeller™ application.
  8. We recommend the wearing of eye protection, gloves, and a painter's face mask during 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 B1 - Structure - Clause B1.3.3 Section e) water and other liquids.
2. Building Regulations 1992 - Clause B2-Durability. X263 Medi-Vet Repeller™, with only normal maintenance, will continue to satisfy the performance requirements of Building Regulations for 15 years.



3. Building Regulations 1992 - Clause E2- External Moisture Clause E 2.3.3. and Clause E 2.3.4.
4. X263 Medi-Vet Repeller™ when applied as per the guidelines documented with the Technical Data Sheet will assist in preventing the ingress of water, other liquids and contaminants into the concrete matrix for the intended life of structure (see link to Colloidal Silicate - Summary of Performance Test Results).
5. X263 Medi-Vet Repeller™ conforms to the moisture suppressant requirements as per NZAS1884-2013.
6. X263 Medi-Vet Repeller™ -achieves the curing of concrete requirements of NZS 3109:1997 & NZS 3101:part 1 2006.

The anti-microbial performance of X263 Medi-Vet Repeller™ 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 X263 Medi-Vet Repeller™ creates a permanent barrier against the growth of bacteria, biofilm, and moulds.

### Supporting documentation:

The following additional documentation supports the above statements:

Title (Type)	Version	URL
X263 Medi-Vet Repeller™ Technical Data Sheet	TDS 263 – V8 1-APR-23	<a href="https://giltedge.co.nz/download/tds-pcx263-medi-vet-repeller-steri-touch">https://giltedge.co.nz/download/tds-pcx263-medi-vet-repeller-steri-touch</a>
X263 Medi-Vet Repeller™ Material Safety Data Sheet	MSDS June 2021	<a href="https://giltedge.co.nz/download/msds-pcx263-medi-vet-repeller-steri-touch">https://giltedge.co.nz/download/msds-pcx263-medi-vet-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>
X263 Medi-Vet Repeller™ VOC Certificate	12-09-2023	<a href="https://giltedge.co.nz/download/voc-pcx263">https://giltedge.co.nz/download/voc-pcx263</a>
X263 Medi-Vet Repeller™ Pre-Warranty and Specification	Version 1: 14/09/2021	<a href="https://giltedge.co.nz/download/pre-warranty-specification">https://giltedge.co.nz/download/pre-warranty-specification</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 X263 Medi-Vet Repeller™ 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**