



Protect Crete X100 Green Concrete Cure™

BPIR Declaration: Version: PCX100 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.

Product Name	Protect Crete X100 Green Concrete Cure™
Product Line	Colloidal Silicate Treatment for Concrete
Product Identifier	PCX100

Description:

X100 Green Concrete Cure™ is single pack colloidal silicate proprietary solution spray applied at the time of the concrete pour as an effective curing regime for concrete. With a performance equivalent to that of water pond curing, X100 Green Concrete Cure™ will significantly reduce the incidence of plastic and dry shrinkage cracking whilst providing a hardened, dust proof concrete.

Applied by low pressure spray apparatus immediately after the freshly placed concrete reaches initial set, X100 Green Concrete Cure™ penetrates the concrete leaving no film or residue on the surface of the concrete, therefore having no adverse effect on subsequent topical applications, providing improved flexibility and efficiencies to a project.

Scope of use:

1. Effective after trade friendly curing regime for freshly placed concrete.
2. Surface Hardner and Dust Proofing treatment for concrete.

Examples for areas of use are as follows: All concrete elements can be cured using X100 Green Concrete Cure™ including cast in-situ, pre-cast, shotcrete, decorative and coloured concretes.

Conditions of use:

X100 Green Concrete Cure™ 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 Rate: 5m² per Litre

**Important Notes:**

- 1.Areas of high porosity have a faster penetration rate. These areas appear dry immediately after spraying and will require additional product.
- 2.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.
- 3.Do NOT apply if rain is forecast within 3 hours of proposed application. If rain occurs within this timeframe of applying the product, please call Oxtek Solutions for technical advice.
- 4.X100 Green Concrete Cure™ 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.
- 5.Incidental skin contact should not be hazardous, but ingestion or eye contact should be avoided. It is recommended to wear gloves, eye protection and a painter's 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 B2-Durability. X100 Green Concrete Cure™, with only normal maintenance, will continue to satisfy the performance requirements of Building Regulations for 15 years.
2. X100 Green Concrete Cure™ - achieves the curing of concrete requirements of NZS 3109:1997 & NZS 3101:part 1 2006.

Supporting documentation:

The following additional documentation supports the above statements:

Title (Type)	Version	URL
X100 Green Concrete Cure™ Technical Data Sheet	TDS 100 – V7 1-APR-23	https://giltedge.co.nz/download/tds-pcx100-green-cure
X100 Green Concrete Cure™ Material Safety Data Sheet	MSDS 1 st October 2023	https://giltedge.co.nz/download/msds-pcx100-green-cure
X100 Green Concrete Cure™ - Product Performance	Nov 2023	https://giltedge.co.nz/download/x100-performance
X100 Green Concrete Cure™ VOC Certificate	12-09-2023	https://giltedge.co.nz/download/voc-pcx100



X100 Green Concrete Cure™ Pre-Warranty and Specification	Version 1: 14/09/2021	https://giltedge.co.nz/download/pre-warranty-specification
Protect Crete HACCP Certificate	PE-675-PC-1-06	https://giltedge.co.nz/download/protect-crete-haccp-certificate

For further information supporting X100 Green Concrete Cure™ claims refer to the manufacturer's website 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