



Protect Crete X200 Densi-Proof™

BPIR Declaration - Version: PCX200 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 X200 Densi-Proof™
Product Line	Colloidal Silicate Treatments for Concrete
Product Identifier	PCX200

Description:

X200 Densi-Proof™ a single pack one application spray on system that deeply penetrates new or existing concrete, provides curing, permanent waterproofing, and protection.

The application of X200 Densi-Proof™ 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 a penetrative moisture barrier system for impervious coatings and coverings.

Adopting the use of X200 Densi-Proof™ 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, compatible with subsequent flooring or coating applications.

Scope of use

1. Effective curing regime for freshly placed concrete.
2. Surface Hardener, 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.

Examples for areas of use are as follows: commercial & residential developments, basements, rooftops, balconies, swimming pools, roads, bridges, water infrastructure.

**Conditions of use:**

X200 Densi-Proof™ 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. Wax, paint, curing compounds or a burnished surface restricting access to concrete's interior must be chemically or mechanically removed for X200 Densi-Proof™ 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 X200 Densi-Proof™ will not function as intended 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.
5. Do NOT apply if rain is forecast within 3 hours.
6. Before applying any paint, adhesives, or any other coatings wait a minimum of 24 hours after application with X200 Densi-Proof™ (see TDS - Overcoat Timelines). Pressure wash or sand and clean, then check visually to be satisfied purging has completed (if required a second or subsequent coats may be necessary). For further help and advice call our office.
7. X200 Densi-Proof™ may etch glass/tiles or dull brushed and shiny aluminium and can be difficult to remove from other surfaces once it dries.
8. Cover and mask surrounding surfaces or rinse immediately if sprayed.

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. X200 Densi-Proof, 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. X200 Densi-Proof 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 X200 Densi-Proof - Summary of Performance Test Results).
5. X200 Densi-Proof conforms to the moisture suppressant requirements as per NZAS1884-2013.
6. X200 Densi-Proof -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
X200 Densi-Proof™ Technical Data Sheet	TDS 200 – V7 1-APR-23	https://giltedge.co.nz/download/tds-pcx200-densi-proof
X200 Densi-Proof™ Material Safety Data Sheet	MSDS 06 June 2021	https://giltedge.co.nz/download/msds-x200-densi-proof
X200 Densi-Proof™ Product Performance	27 th Nov 2023	https://giltedge.co.nz/download/x200-performance
X200 Densi-Proof™ VOC Certificate	12-09-2023	https://giltedge.co.nz/download/msds-pcx200-densi-proof
X200 Densi-Proof™ 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 X200 Densi-Proof™ claims refer to the manufacturer’s website www.oxtek.com.au.

Contact details:

Manufacturer location:	Overseas
Legal and trading name of manufacturer:	Oxtek Solutions Pty-Ltd
Legal and trading name of importer:	Gilt Edge Industries
Importer address for service:	110 Antigua Street, Addington, Christchurch 8240



Importer website:	www.giltedge.co.nz
Importer NZBN:	9429031908689
Importer email:	help@giltedge.co.nz
Importer phone number:	0800445833

Warnings and Bans

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

NO

Appendix