

Permanent Concrete Protection



**THE NAME
SAYS IT ALL**



Oxtek Solutions Pty Ltd
5 / 17-19 Miles Street Mulgrave VIC 3170
Phone: 03 9798 7534
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www.oxtek.com.au

INTRODUCTION

Oxtek Solutions / Protectcrete was established in 1998 and provides unrivalled concrete protection in the commercial and residential market. An Australian owned manufacturing company with a team of experts comprising 100+ years of experience in the concrete, coatings, flooring industries - our mission is to provide 'solutions that won't cost the earth'. Based in Melbourne, Oxtek Solutions supply product throughout Australia, New Zealand and Asia.

With the construction industry facing a number of challenges in response to new social and environmental pressures and the current market demanding cost efficiency and rapid execution we at Oxtek Solutions have the expertise and experience to help consult on the performance requirements of your next project. The team at Oxtek Solutions can also assist existing projects achieve their desired constraints ensuring both time and cost efficiencies.

Oxtek Solutions unique and environmentally safe technology not only cures, waterproofs, repels contamination, hardens, densifies and protects the concrete but our products allow for the easy application of topical coatings. Topical applications such as vinyl, timber and other floor coverings, line marking paint, epoxies, sealers can be applied in record time, resulting in significant cost savings.

All of our products are low VOC and user friendly with a range that are HACCP approved. All warranties are project specific and registered with a specification number.

The Protectcrete range is included in the Gilt Edge Masterspec Section: 3124GE GILT EDGE CONCRETE CURE, HARDENER, MOISTURE CONTROL & PROTECTION

Call to arrange face-to-face technical assistance and advice

CONTACT US:

New Zealand

Gilt Edge Industries H/O

110 Antigua Street, Addington, Christchurch 8240

Phone: 0800 445 833 **Email:** help@giltedge.co.nz

www.giltedge.co.nz/protect-crete

Australia

Oxtek Solutions Pty Ltd H/O

5 / 17-19 Miles Street Mulgrave VIC 3170

Phone: +61 39798 7534 **Email:** reception@oxtek.com.au

www.oxtek.com.au

PROFESSIONAL SERVICES

Specifications tailored for each project.

15 Year Warranty - Project Specific.

Complimentary on-site consultations.

Complimentary application training.

Technical support from start to completion.

National presentations 1 Formal CPD Point or Architects.

National presentations for Engineers Awards CPD points.

CPD presentations for Master Builders.



OXTEK / PROTECTCRETE SPECIFICATION AND WARRANTY

An issued 15 Year warranty is project specific and will require a consultation and a registered specification number.

For all customers requesting a warranty, Oxtex Solutions Pty Ltd must be notified by email to inform us of the project and its requirements, we will then complete a unique specification for the application of our products for that project and forward to you the appropriate warranty application form for completion.

The specification will have an individual number which will need to be included on the warranty form along with a copy of the site plans showing the treated area.

Contact today for advice, consultation, onsite training and warranty requirements.

Warranties are available with these Oxtex Solutions products:

- X200 Densi-Proof
- X220 Moisture Fix
- X230 Densi-Proof Repeller
- X260 Medi-Vet
- X263 Medi-Vet Repeller
- X280 Densi-Proof REO Protect

EXISTING CONCRETE APPLICATION

Warranties are only available for concrete under the age of 15 years and are subject to a site inspection. An Oxtex Solutions application specification must be in place and warranty application forms are to be completed by an approved applicator. Applicator training is complementary and can be organised with an Oxtex Territory Manager.

TIME OF CONCRETE POUR APPLICATION

All time of pour applications will receive a 15 year warranty if a specification is in place and warranty application forms are completed by an approved applicator.

The Project Specification Request Form can be downloaded from the technical section on the Oxtex Solutions website: www.oxtek.com.au/specifications

Contact us today for advice, consultation, onsite training and warranty requirements.



Moisture Control

X220 MOISTURE FIX®



- NZAS1884-2013 and achieves the cure requirements of NZS 3109:1997 & NZS 3101:part 1 2006
- Densifies, hardens and waterproofs concrete.
- Designed for existing projects with high moisture content.
- Can be applied by pour and broom spread on existing concrete.
- Can be applied to existing concrete if clean and porous.
- Will purge contamination if present in existing concrete.
- Doesn't form a membrane - after trade friendly.
- Environmentally friendly, HACCP Certified - low odour - low VOC.
- Warranties of up to 15 years, supported by project specification and robust QC and QA procedures.

A single pack one application spray on system designed for existing projects with high moisture content. Providing improvements to both compressive and tensile strength of the concrete to which it's applied with significant reduction in the formation of shrinkage cracks. This penetrative moisture barrier system reduces the extent of mechanical preparation of the substrate prior to the installation of any coating or flooring systems. Existing concrete substrates can commence with topically applied flooring or coating installation 24 hours post treatment or after 14 days if applied at time of concrete placement.

Typical applications: existing concrete, areas to receive topical coatings and coverings.

X200 DENSI-PROOF™



- NZAS1884-2013 and achieves the cure requirements of NZS 3109:1997 & NZS 3101:part 1 2006
- Cures, densifies, hardens and waterproofs concrete.
- Ideally applied as a cure at time of pour by spray.
- Can be applied to existing if clean and porous.
- Will purge contamination if present in existing concrete.
- Doesn't form a membrane - after trade friendly (Epoxy, Adhesives, Screeds, Levelling Compounds).
- Colloidal silicate – fills all capillaries and voids created by the bleed water.
- Reduces shrinkage cracking, efflorescence and reo corrosion.
- Environmentally friendly, HACCP Certified - low odour - low VOC.
- Warranties of up to 15 years, supported by project specification and robust QC and QA procedures.

A single pack one application spray on system that deeply penetrates new or old concrete providing an effective, warranted moisture barrier subject to terms and conditions. X200 Densi-Proof can eliminate the risk of the inherent moisture in the concrete from transferring through to the concrete surface. X200 Densi-Proof will also stabilise the surface pH of the concrete. By using X200 Densi-Proof at time of pour as a curing compound, it will provide significant time and cost savings for any size project.

Typical applications: basements, roof tops, swimming pools, roads, concrete prior to application of topical coatings and coverings.

Moisture Control and Seal



X230 DENSI-PROOF REPELLER™

- NZAS1884-2013 and achieves the cure requirements of NZS 3109:1997 & NZS 3101:part 1 2006
- Cures, densifies, hardens and waterproofs concrete.
- Surface protection from contamination.
- Hydrophobic beading effect (temporary).
- Significant retardation of efflorescence.
- Compatible with line marking paint and epoxies.
- Applied to new and existing concrete substrates.
- Environmentally friendly, HACCP Certified - low odour - low VOC.
- Warranties of up to 15 years, supported by project specification and robust QC and QA procedures.

Is a single pack one application spray on system that deeply penetrates new or existing concrete, provides curing, permanent waterproofing and protection. The added X300 Repeller provides surface protection and ease of cleaning against oils, water-based stains, chemicals, body fluids, wine, grease and others.

Typical applications: exposed concrete walls and floors, car parks, rooftops,



Antimicrobial Range

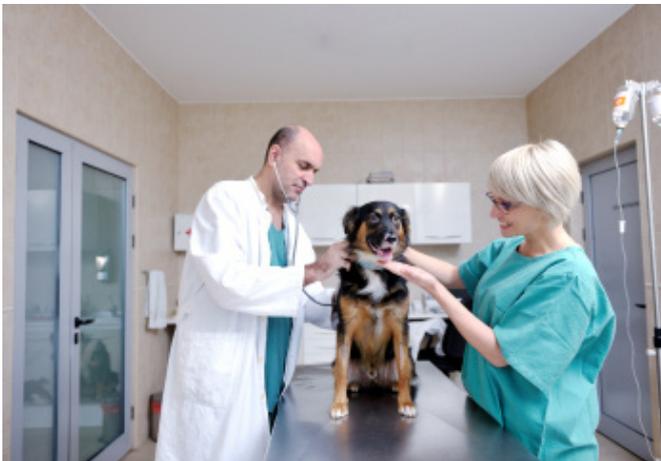
X260 MEDI-VET®



- Protection from bacteria - proven control of E. coli and Staphylococcus aureus – MRSA.
- NZAS1884-2013 and achieves the cure requirements of NZS 3109:1997 & NZS 3101:part 1 2006
- Makes concrete impermeable, increasing longevity.
- Cures, densifies and hardens.
- Ideally applied as a cure at time of pour by spray but can be applied to existing clean, porous concrete.
- Acts as an internal moisture barrier for floor coverings and topical coatings.
- Application of vinyl and topical coatings after 24 hours on existing concrete (subject to contamination purge).
- Application of vinyl and topical coatings 2 weeks after pour.
- Environmentally friendly, HACCP Certified - low odour - low VOC.
- Increases tensile and compressive strength.
- Reduces efflorescence and shrinkage cracking.
- Warranties of up to 15 years, supported by project specification and robust QC and QA procedures.

Typical applications: hospitals, aged care facilities, animal enclosures, schools, changing rooms, veterinary clinics, breweries, restaurants, canteens and food preparation.

X263 MEDI-VET REPELLER®



- Protection from bacteria - proven control of E. coli and Staphylococcus aureus – MRSA.
- Makes concrete impermeable, increasing longevity.
- NZAS1884-2013 and achieves the cure requirements of NZS 3109:1997 & NZS 3101:part 1 2006
- Cures, densifies and hardens.
- Ideally applied as a cure at time of pour by spray but can be applied to existing clean, porous concrete.
- Surface protection and ease of cleaning against acids, oils, water-based stains, chemicals, body fluids, wine, grease and many more.
- Hydrophobic beading effect (temporary).
- Invisible and does not change slip rating.
- Environmentally friendly, HACCP Certified - low odour - low VOC.
- Increases tensile and compressive strength.
- Retards efflorescence and shrinkage cracking.
- Warranties of up to 15 years, supported by project specification and robust QC and QA procedures.

Typical applications: hospitals, aged care facilities, animal enclosures, schools, changing rooms, veterinary clinics, breweries, restaurants, canteens and food preparation.

Antimicrobial Range

X310 REPELLER PLUS +

- Protection from bacteria - proven control of E. coli and Staphylococcus aureus – MRSA.
- Single application.
- Preserves original appearance.
- Hydrophobic beading effect (temporary).
- Will not darken or yellow – invisible finish.
- Reduces staining.
- Improves fungus and mildew resistance.
- UV resistant.
- Environmentally friendly, HACCP Certified - no odour - low VOC.
- Product can be used in conjunction with either X220 Moisture Fix, X260 Medi-Vet or X200 Densi-Proof.
- Suitable for some natural stones such as limestone, sandstone and travertine (small trial area should always be undertaken prior to liberal application).

Typical applications: exposed concrete walls and floors, polished concrete.



Cure



X100 GREEN CURE AND HARDENER

- Curing compound only.
- Cures concrete equal to water ponding.
- To be used if no moisture barrier is required. A low-cost cure regime.
- After trade friendly.
- Environmentally friendly.
- Low odour - low VOC.

Non membrane forming silicate proprietary solution that provides an exceptional cure regime equal to water curing. There is no requirement to mechanically remove the product from the surface as it penetrates into the concrete.

Typical applications: any concrete elements at time of pour.



Cure and Seal

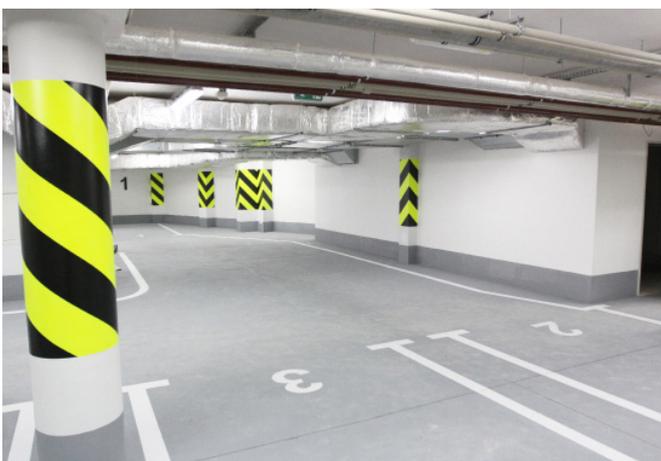


X550 CARPARK WAREHOUSE™

- Cures, densifies, hardens and seals the surface of the concrete.
- Environmentally friendly, HACCP Certified, low odour and ideally applied as a cure at time of pour by spray.
- Can be applied to existing concrete if clean and porous.
- Compatible with line marking paint and epoxies (Independently Tested).
- UV resistant and retards efflorescence.
- Hydrophobic beading effect (temporary).

Can be applied to protect the surface of both new and existing concrete. Provides a hard-wearing dust proof surface, which reduces tyre noise and tyre marks, and will improve surface resistance from oil spills and other contaminants.

Typical applications: car parks, footpaths, warehouses, driveways, garages, transport depots and any concrete elements.



Seal

X300 REPELLER™



- Single application.
- Preserves original appearance.
- Hydrophobic beading effect (temporary).
- Will not darken or yellow – invisible finish.
- Reduces staining.
- Improves fungus and mildew resistance.
- UV resistant.
- Environmentally friendly, HACCP Certified - no odour - low VOC.
- Product can be used in conjunction with either X220 Moisture Fix, X260 Medi-Vet or X200 Densi-Proof.
- Suitable for some natural stones such as limestone, sandstone and travertine (small trial area should always be undertaken prior to liberal application).

Typical applications: exposed concrete walls and floors, polished concrete.

Civil Engineering

X280 DENSI-PROOF REO PROTECT™



- Designed for high corrosion areas – jetty's, bridges and sea walls.
- Cures, densifies, hardens and waterproofs concrete.
- Ideally applied as a cure at time of pour by spray.
- Can be applied to existing if clean and porous.
- Will purge contamination from existing concrete.
- Significantly retards any existing or future corrosion.
- Enhances surface traction quality.
- Environmentally friendly - low odour - low VOC.
- Increases acid and chemical resistance.
- Warranties of up to 15 years, supported by project specification and robust QC and QA procedures.

A single pack single application spray on system that deeply penetrates new or old concrete, provides curing, permanent waterproofing and long-term protection of the embedded steel reinforcement from the mechanisms that accelerate the corrosion process.

Typical applications: bridges, wharfs, marine walls, culverts and tunnels.

PRODUCT BENEFITS

Product Benefits	X100 Green Concrete Cure	X200 Densi-Proof	X220 Moisture Fix	X230 Densi-Proof Repeller	X260 Medi-Vet	X263 Medi-Vet Repeller	X280 Densi-Proof REO Protect	X300 Repeller	X310 Repeller + PLUS	X550 Carpark Warehouse	X-20 Coolroom & Freezer
	New Concrete Cure only.	New Concrete Cure, density, hardens & moisture suppressant.	Existing Concrete Cure, density, hardens, moisture suppressant & purge contaminants.	New & Existing Cure, density, harden, moisture suppressant & seal.	New & Existing Cure, density, harden, moisture suppressant & antimicrobial.	New & Existing Cure, density, harden, moisture suppressant, seal & antimicrobial.	New & Existing Cure, density, harden, moisture suppressant & REO protection.	New & Existing Seal surface of concrete, sandstone & some other masonry surfaces.	New & Existing Antimicrobial surface seal of concrete, sandstone & some other masonry surfaces.	New & Existing Cure, density, harden & seal.	New & Existing Cure, density, harden, moisture suppressant, seal & antimicrobial.
Protects embedded reinforcing steel.	N/A	P	P	P	P	P	P	N/A	N/A	N/A	P
Rejuvenates concrete capillary & pore structure.	N/A	P	P	S	P	P	P	N/A	N/A	N/A	P
Moisture suppressant for existing concrete.	N/A	P	P	P	P	P	P	N/A	N/A	N/A	P
Waterproofs concrete from time of placement.	N/A	P	P	P	P	P	P	N/A	N/A	N/A	P
Compatible with coatings & coverings.	P	P	P	S	P	S	P	N/A	N/A	S	P
Superior cure at time of placement.	P	P	P	P	P	P	P	N/A	N/A	P	P
Enhances chemical & environmental attack resistance.	N/A	P	P	P	P	P	P	N/A	N/A	N/A	P
Reduces shrinkage cracking & slab curl.	P	P	P	P	P	P	P	N/A	N/A	S	P
Permanent protection.	N/A	P	P	P	P	P	P	N/A	N/A	N/A	P
Access treated areas in 3 hours.	P	P	P	P	P	P	P	P	P	P	P
Minimizes scalling & spalling.	N/A	P	P	P	P	P	P	N/A	N/A	N/A	P
Increases durability.	S	P	P	P	P	P	P	S	S	S	P
Minimizes mould & mildrew.	N/A	P	P	P	P	P	P	S	S	S	P
Saves time & cost.	P	P	P	P	P	P	P	P	P	P	P
Non-flammable.	P	P	P	P	P	P	P	P	P	P	P
LOW VOC.	P	P	P	P	P	P	P	P	P	P	P
Safe & easy to apply.	P	P	P	P	P	P	P	P	P	P	P
Resists freeze thaw damage.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P
Protecton from MRSA & ECOLI bacteria.	N/A	N/A	N/A	N/A	P	P	N/A	N/A	P	N/A	P
Coverage	5m2 per litre	5m2 per litre	5m2 per litre	5m2 per litre	5m2 per litre	5m2 per litre	5m2 per litre	5m2 per litre	5m2 per litre	5m2 per litre	5m2 per litre

P = Primary Benefit S = Secondary Benefit N/A = Not Applicable

TYPICAL APPLICATION GUIDE

Typical Applications	X100 Green Concrete Cure	X200 Densi-Proof	X220 Moisture Fix	X230 Densi-Proof Repeller	X260 Medi-Vet	X263 Medi-Vet Repeller	X280 Densi-Proof Reo-Protect	X300 Repeller	X310 Repeller + PLUS	X550 Carpark Warehouse	X-20 Coolroom & Freezer
	New Concrete Cure only.	New Concrete Cure, densify, hardens & moisture suppressant.	Existing Concrete Cure, densify, hardens, moisture suppressant & purge contaminants.	New & Existing Cure, densify, harden, moisture suppressant & seal.	New & Existing Cure, densify, harden, moisture suppressant & antimicrobial.	New & Existing Cure, densify, harden, moisture suppressant, seal & antimicrobial.	New & Existing Cure, densify, harden, moisture suppressant & REO protection.	New & Existing Seal surface of concrete, sandstone & some other masonry surfaces.	New & Existing Antimicrobial surface seal of concrete, sandstone & some other masonry surfaces.	New & Existing Cure, densify harden & seal.	New & Existing Cure, densify, harden, moisture suppressant, seal & antimicrobial.
Existing concrete to receive flooring (vinyl, carpet).	✓	✓	✓	✓	✓	✓					
Existing concrete to be painted (epoxy, acrylic).		✓	✓		✓						
Existing natural finish concrete.			✓ Apply 1st					✓ Apply 2nd		✓	
Existing concrete to receive line marking paint.			✓	✓						✓	
Existing polished concrete.								✓	✓		
New driveway coloured (colour mixed at plant).	✓									✓	
New natural finish concrete.	✓			✓						✓	
New concrete to receive flooring (vinyl, carpet).		✓			✓						
New concrete to be painted (epoxy, acrylic).		✓			✓						
New concrete to receive line marking paint.	✓	✓		✓						✓	
New concrete to be polished.	✓	✓ Apply 1st*			✓ Apply 1st			✓ Apply 2nd	✓ Apply 2nd		
New concrete to be cured only.	✓										
New cold room & freezer - covered.		✓			✓		✓				✓
New cold room & freezer - exposed.											
Existing cold room & freezer - covered.		✓			✓		✓				✓
Existing cold room & freezer - exposed.											
Seal concrete, sandstone and some masonry surfaces.								✓	✓		
Durability - wharfs, sea walls, marine, bridges, culverts.							✓	✓ Optional 2nd			
New liquid retaining structures - coated.		✓									
New liquid retaining structures - exposed.				✓							

OUR PRODUCTS



X260 MEDI-VET® (ANTIMICROBIAL)



X230 DENSI-PROOF REPELLER™



X263 MEDI-VET REPELLER® (ANTIMICROBIAL)



X100 GREEN CURE AND HARDENER



X310 REPELLER PLUS + (ANTIMICROBIAL)



X550 CARPARK WAREHOUSE™



X200 DENSI-PROOF™



X300 REPELLER™



X220 MOISTURE FIX®



X280 DENSI-PROOF REO PROTECT™

Our products are available in 1, 5, 15, 200 and 1000 litres.
Please contact us if you require further information.



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