

OXTEK SOLUTIONS PTY LTD

CAPABILITY STATEMENT



OXTEK SOLUTIONS PTY LTD

- Established 1998 Protect Crete / Oxtek Solutions Pty Ltd
 - Australian owned and manufactured
 - Specialists in concrete protection
 - Sole providers of unique tested technology
- Premium proven & tested propriety colloidal silicate products
 - Environmentally friendly- LOW VOC- HACCP certified
- Over 100 years experience in the concrete & protective coating industries
 - Antimicrobial range
 - Supply Australia, New Zealand & Malaysia



**Master
Builders
Association**
New South Wales



Oxtek Solutions Pty Ltd

5 / 17-19 Miles Street Mulgrave VIC 3170

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Colloidal Silicate Technology

The pore-filling ability of the colloidal silicate technology contained within the Oxtek Solutions range improves the hardened mechanical properties of concrete. By contributing to a denser, less permeable and less porous structure. Concrete containing colloidal silicate demonstrates an increased compressive strength, decreased chloride diffusion, increased resistance to fire, decreased drying shrinkage, and an increased ability to withstand chemical attack.

It is well accepted that filling the voids and capillaries within the concrete will improve durability. Pores provide the primary transport routes of sources of attack in cement-based materials. It follows that to reduce the diameter of the pores reduces the access of these agents to the concrete's internal structure, thereby increasing durability



PRODUCT PERFORMANCE TESTING

Oxtek Solutions is dedicated to the regular in-field and laboratory testing of our products, ensuring their quality and consistent performance. Our testing processes involve NATA approved laboratories and Australian University Research Departments, adhering to both Australian and International Standards. Independent consultants review and verify the results before publication.

The VOC Testing of the entire Oxtek Solutions range, following ASTM D3690-05, aligns with the requirements specified in the Green Building Council of Australia's Green Star Design & As Built V1.3-13.1.1B and Green Star Interiors V1.3-12.1.1B.

The entire Oxtek Solutions product range hold certification from HACCP International Certification Food Safety System, confirming their suitability for use in food and beverage facilities.

Slip rate testing was conducted by ISTS (Independent Slip Testing Services) in accordance with AS 4586:2013, Slip resistance classification of new pedestrian surface materials. The results achieved in the testing undertaken on samples treated by Oxtek Solutions X200 Densi-Proof, X230 Densi-Proof Repeller, X550 Carpark Warehouse & X300 Repeller confirmed that the slip rates remain unaffected when compared against the control sample in all instances.



ANTIMICROBIAL PROTECTION RANGE

Did you know....we don't use nano-silver

Nor do we use organic microbial additives which have health or environmental concerns. The ionic silver additives which are used in the majority of our products are non leaching and non-sensitising.

The antimicrobial performance of the end product is confirmed by independent lab testing to the international standard (JIS and ISO)

- 99.99% effective against: E.Coli and MRSA (Methicillin-resistant *Staphylococcus aureus*)

MRSA (Methicillin Resistant Staphylococcus aureus)

Tested at 35°C

Sample		Number of live organisms (Colony Forming Units)		% reduction of Colony Forming Units, expressed as comparison with control	
		0 hours	24 Hours		
Control		140000	220000	N/A	
53050-A	X260 MediVet	140000	<10	>99.995% Reduction	EXCELLENT
53050-B	X260 MediVet	140000	<10	>99.995% Reduction	EXCELLENT
53050-C	X260 MediVet	140000	<10	>99.995% Reduction	EXCELLENT

Escherichia coli

Tested at 35°C

Sample		Number of live organisms (Colony Forming Units)		% reduction of Colony Forming Units, expressed as comparison with control	
		0 hours	24 Hours		
Control		110000	12000000	N/A	
53050-A	X260 MediVet	110000	<10	>99.99991% Reduction	EXCELLENT
53050-B	X260 MediVet	110000	<10	>99.99991% Reduction	EXCELLENT
53050-C	X260 MediVet	110000	<10	>99.99991% Reduction	EXCELLENT

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PROJECT SERVICES & SUPPORT



- Technical specifications tailored for each project
 - 15 Year Warranty- Project & Product Specific
 - On-Site consultations FOC
 - Application training FOC
 - 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



PRODUCT CATEGORIES

MOISTURE CONTROL & CURE

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

SEAL

X300 Repeller
X310 Repeller PLUS +

CURE & SEAL

X230 Densi-Proof Repeller
X263 Medi-Vet Repeller
X550 Carpark Warehouse

CIVIL ENGINEERING - DURABILITY

X200 Densi-Proof
X220 Moisture Fix
X230 Densi-Proof Repeller
X280 Densi-Proof REO Protect

ANTIMICROBIAL

X260 Medi-Vet
X310 Repeller PLUS +
X263 Medi-Vet Repeller

