



# CAPABILITY STATEMENT

MARCH 2022



[CLEVACRETE.COM.AU](https://www.clevacrete.com.au)

## COMPANY DETAILS

### BUSINESS NAME

CLEVA-Crete Pty Ltd

### ABN

17 640 794 930

### EMPLOYEES

10+

### ADDRESS

68 Pedder Crescent, Regency Park SA 5010

## CONTACT DETAILS

### PHONE

1300 503 929

### EMAIL

info@clevacrete.com.au

### WEBSITE

clevacrete.com.au

## PRODUCT DETAILS

### LOCAL MANUFACTURER

Yes

### IMPORTER

No

### EXPORTER

Yes

### WORKS IN REMOTE LOCATIONS

Yes



[CLEVACRETE.COM.AU](http://CLEVACRETE.COM.AU)

## CORE COMPETENCIES

CLEVA-Crete has formulated all products to Australian standards, creating the most effective moisture vapour-proofing technology for almost every construction application demanding the strictest moisture-containment and concrete durability.

### SERVICE-ORIENTED STAFF

In today's fast-paced building arena, CLEVA-Crete offers a refreshingly old-fashioned service-oriented experience through a clear process, that allows a high level of collaboration between all stakeholders on any construction site, considering project specific needs for the most desirable outcomes.

### ON-SITE PLANNING

CLEVA-Crete proudly prepares and educates all affected parties, including concrete finishers, builders and associated trades, prior to every concrete pour.

This will often involve the full co-ordination of concrete truck dosing, safe site operations, selection of dosing location and best practice for co-ordinating mixed pours. These pre-pour meetings enable smooth execution of every pour.

### RELIABILITY

CLEVA-Crete has carried out its due diligence on the best quality dosing equipment so there is never failure to dose concrete trucks quickly and safely every time.

The same is required with reliability and maintenance of all dosing vehicles to ensure on-site presence as required to carry out all on-site or batch plant procedures without incident or delays.

### TESTING REGIME

On-site testing of all concrete areas modified with a CLEVA-Crete admixture, is an essential part of ensuring the efficacy of the 25 year moisture egress warranty, unique to CLEVA-Crete 842-MVRA.

During all 72 hour testing operations on site, consideration is given to locations for testing so as to do so with minimal disruption to the many other trades inside the building. This is paramount to on-site operations, as it reinforces our understanding of time-frames and deadlines for building handovers.

### WARRANTY

The CLEVA-CRETE 842-MVRA 25 year warranty against moisture egress is the best in its class and is the only such warranty that includes materials and labour.

There have been no failures with this technology in over 35 years, where CLEVA-Crete's quality control measures have been adopted, ensuring its inclusion in the matrix of a structure's concrete.

Additionally, the warranty is covered by a Lloyds of London-backed \$30,000,000 insurance policy.

### STATE-OF-THE-ART R&D

CLEVA-crete has acquired the best chemists in this space to ensure its cutting edge technology remains at the forefront of understanding the ever-changing concrete world. In CLEVA-Crete's Australian laboratory, R&D has provided additional formulations tailored specifically for durability in Australia's harsh conditions.

### SUSTAINABILITY IS OUR PRIORITY

All CLEVA-Crete formulations are free from VOCs, hydrocarbons, carcinogenic or toxic ingredients.

### FINEST ENGINEERS

CLEVA-Crete's consultant engineers have well over half a century of combined experience identifying any challenges or key items of concern ahead of time.

They take sincere pride in providing our clients with a project-specific, complete in-house advisory service.

### CONSISTENT SUPPLY

Due to CLEVA-Crete sourcing all materials from within Australia, we are able to ensure a consistent supply of products and materials for any size commercial or infrastructure project.

## COMPANY BACKGROUND

CLEVA-Crete are a South Australian, independent, and privately owned company. We have over 10 employees, several private contractors, and a robust growth strategy.

We have a complete supply chain network supplying admixture to all ready-mix companies across all Australian states and territories including remote areas.

CLEVA-Crete formulates and supplies admixtures to concrete ready-mix companies. We have technology which disrupts normal capillary formation, delivering a proven solution where ultra-low permeability and superior long-term shrinkage reduction is required.

Full consideration is given to Industry 4.0 fast-paced objectives to create well-planned and executed project deliverables.



## CORE VALUES

Our core values guide us in everything we do to support our customers.

### RESPECT

We highly value our employees and respect their personal and professional needs and encourage open communication in the workplace as excellent customer service starts within the team.

### DIVERSITY

Cultural diversity encourages collaboration and cooperation in the workplace, and we are a proudly culturally diverse workplace.

We acknowledge the Kaurna people as the traditional custodians of the Adelaide Plains area where we live and work, and we respect their spiritual relationship with country.

### CONSISTENCY

We constantly strive for perfection in all we do. Our aim is to deliver services efficiently and ensure the quality of our product and service is consistent.

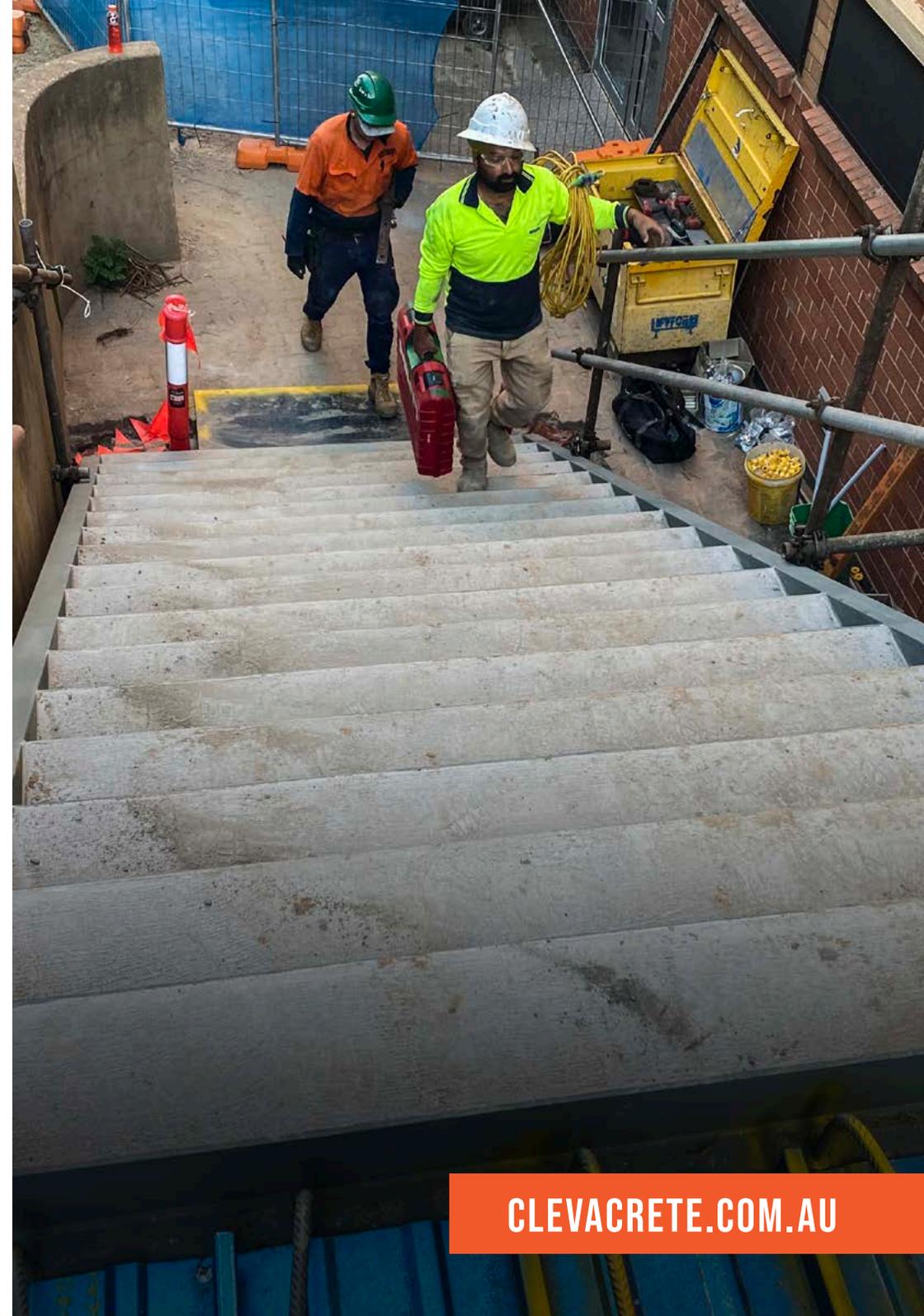
### ACCOUNTABILITY

Whether for our environment or our employees, we take pride in being accountable for our decisions, actions and project deliverables.

## OUR MISSION

CLEVA-Crete's mission is to build confidence in the Asia-Pacific region for the wisest choice in concrete admixtures that create superstructures and buildings which have a lengthened service life.

This enables builders to overcome on-site challenges during construction resulting in a better end product and asset for all stakeholders.



## WHERE DID THIS REVOLUTIONARY WATERPROOFING TECHNOLOGY COME FROM?

We'd like to say we were clever enough to have created this remarkable product and it is ground-breaking technology but, in reality, CLEVA-Crete technology is as old as the hills.

Due to its size (and cost) engineers for the massive Hoover Dam project required a design life of over 1,000 years. This was a hundred years ago and, prior to this, no project had a design life that spanned any more than 50 to 75 years!

This seemingly-impossible task was made a reality when the United States Army Corps of Engineers discovered that the 2,700 year old elevated aqua-ducks, built throughout Europe, held the secret.

It was in the materials comprising the mortars that they used to line these long conduits, designed for holding water.

After a number of trials, D 5084 testing was carried out in their own labs, which provided enough evidence to show that it will take almost 1,500 years for any water, with a head pressure of over 23 metres, to penetrate 100mm into their new concrete mix design with this new (old) technology.

This provides some insight into the origin and modern history of this superior technology. Technology that works!



[CLEVACRETE.COM.AU](http://CLEVACRETE.COM.AU)

## WHAT MAKES CLEVA-CRETE SO SMART?

CLEVA-Crete is a concrete admixture designed to work with the free water and various components of the cement during hydration to build the purest (amorphous) type of C-S-H.

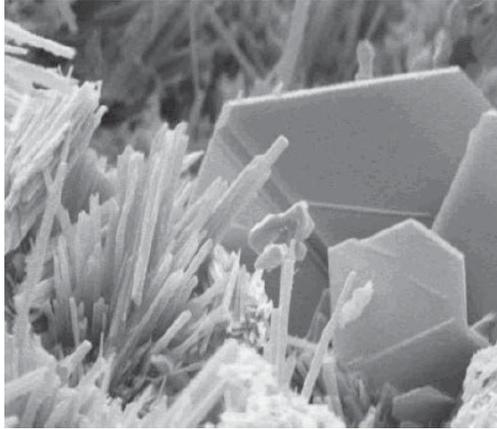
This is an exact science - calculated using the proven 'Powers' calculation model - that works out how much free water there is in a concrete mix design.

CLEVA-Crete does not rob any hydration water in its process. Rather it creates a non-hygroscopic, shrinkage and crack-reducing concrete.

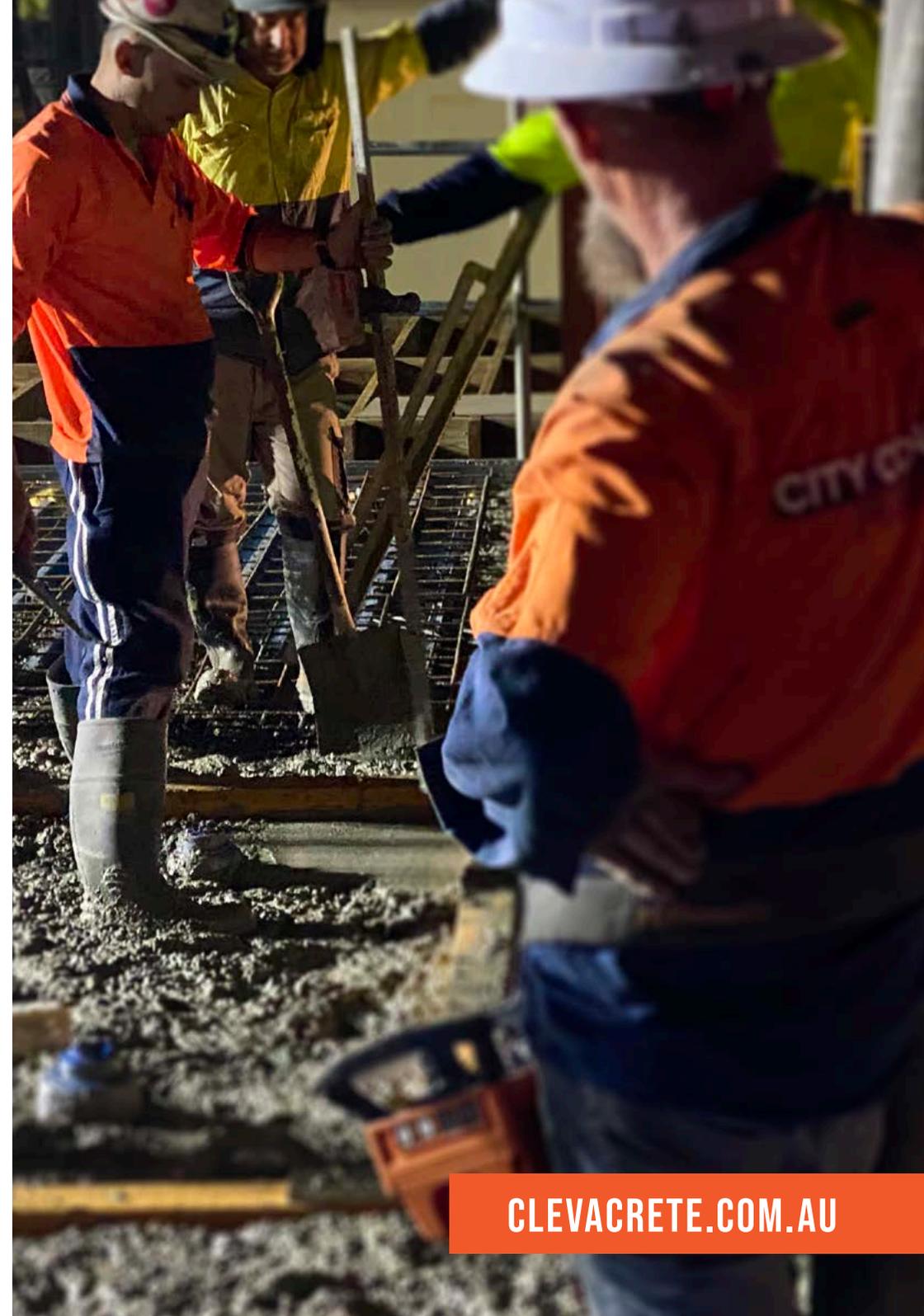
This is mainly due to the fact that the usual osmosis effect on concrete as it is drying is stopped and the moisture is retained in the slab, where it forms nano-sized pure C-S-H.

This retention of moisture is the key to its lowering typical shrinkage.

Many white papers have been written that support this, proving that this nano sized C-S-H adds low permeability and strength to concrete, while adding ductility and - thus - resultant durability to the life of concrete structures.



This technology reduces moisture egress so effectively that builders are able to schedule the early installation of VOC-free, moisture-sensitive, water-based coatings, adhesives and resilient vinyl flooring products.



**CLEVA**  **CRETE**

[CLEVACRETE.COM.AU](http://CLEVACRETE.COM.AU)

## RECENT CLEVA-CRETE PROJECTS



### ABERFOYLE PARK HIGH SCHOOL

**Architect:** Hames Sharley (SA) Pty Ltd  
**Builder:** Schiavello Construction (SA) Pty Ltd  
**Ready-mix supply company:** Boral Australia  
**Concrete finishers:** Ngurra Civil & Construction  
**Project owner:** Government of South Australia – Department for Education



### NOARLUNGA COMMAND FIRE STATION

**Builder:** Minuzzo Project Management  
**Ready-mix supply company:** Hanson  
**Project owner:** Metropolitan Fire Service



### SEATON HIGH SCHOOL

**Engineer:** Wallbridge Gilbert Aztec  
**Architect:** JPE Design Studio  
**Builder:** Badge Construction  
**Ready-mix supply company:** Boral Australia  
**Concrete finishers:** Outside Ideas  
**Project owner:** Government of South Australia – Department for Education



### ADELAIDE HIGH SCHOOL

**Engineer:** WSP Australia  
**Architect:** JPE Design Studio  
**Builder:** Badge Construction  
**Ready-mix supply company:** Hanson  
**Concrete finishers:** Valtec Constructions  
**Project owner:** Government of South Australia – Department for Education



### PORT ADELAIDE PLAZA

**Builder:** Chevron  
**Ready-mix supply company:** Hanson



### STRATHALBYN & DISTRICT HEALTH SERVICES UPGRADE

**Architect:** Wiltshire+Swain  
**Engineers:** Combe Pearson Reynolds  
**Builder:** Chappell Builders  
**Ready-mix supply company:** Direct Mix  
**Concrete finishers:** Ptotto Bros Cement Flooring  
**Project owner:** Strathalbyn & District Health Service Barossa Hills Fleurieu Local Health Network



### NIGHTINGALE BOWDEN APARTMENTS

**Architect:** Breathe Architecture  
**Engineers:** Koukourou  
**Builder:** Hindmarsh Construction  
**Ready-mix supply company:** Holcim  
**Concrete finishers:** LA Di Rubbo Concrete  
**Project owner:** Housing Choices South Australia



### SEAFORD SECONDARY COLLEGE SPECIAL ED BUILDING

**Architect:** Yelland & Russell  
**Engineers:** Meinhardt Australia  
**Builder:** Minuzzo Project Management  
**Ready-mix supply company:** Hanson  
**Concrete finishers:** PLC Constructions  
**Project owner:** Seaford Secondary College

## WHO WORKS WITH CLEVA-CRETE?

CLEVA-Crete works with Australia's leading concrete providers, working together harmoniously to provide the best possible result for any project.



[CLEVACRETE.COM.AU](http://CLEVACRETE.COM.AU)

## INDUSTRY CHALLENGES

- Topical 'spray and pray' technologies are failing
- Crystal growth still enables moisture vapour to egress
- Construction delays and subsequent LDs, are common
- Grinding, epoxy coating and self-levelling is expensive

## CLEVA-CRETE ADVANTAGES

### FOR THE BUILDER - FAST PACED QUALITY BUILDING

- No curing or surface moisture loss
- Immediate flooring after 14 days
- No grinding or additional coatings required
- Multi-storey time saving - higher 72 hour MPa rating
- CLEVA-Crete QC moisture testing
- Reduces shrinkage (no H<sub>2</sub>O loss)

### FOR THE CLIENT - BETTER PROJECT DELIVERY & LONGEVITY

- Better, flatter, aesthetically-pleasing floors
- No slab curl
- Reduced turnaround times and project duration
- No litigation or unexpected contingency blow-outs
- 25 year repair and reinstatement warranty

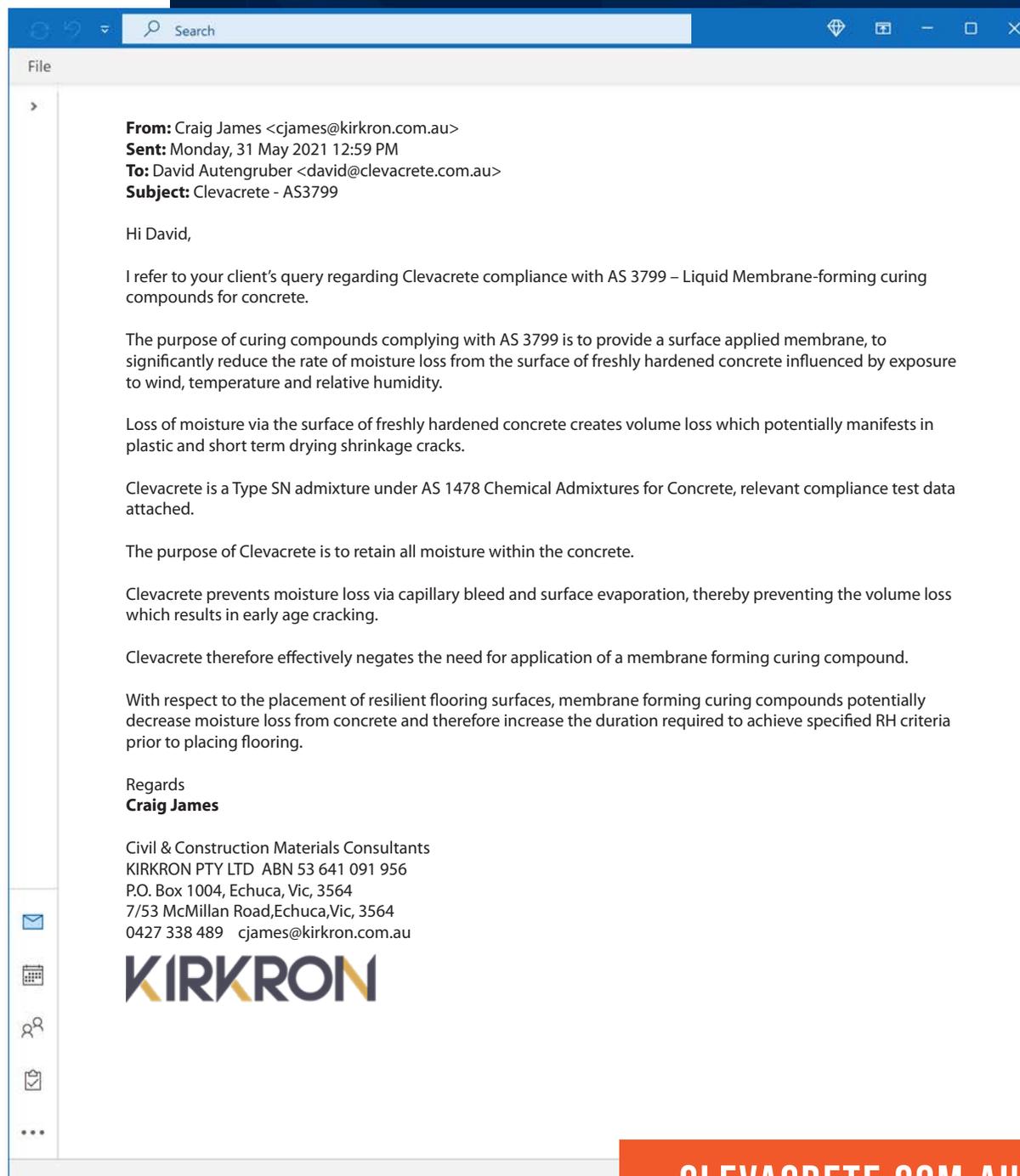


[CLEVACRETE.COM.AU](http://CLEVACRETE.COM.AU)

## FROM AN ENGINEER'S PERSPECTIVE...

CLEVA-Crete has received positive praise from architects, engineers and builders across Australia.

Here's what one engineer had to say and, more importantly, how the curing of concrete is actually harming the process of controlling excess moisture within the slabs, prior to flooring going down.



CLEVACRETE.COM.AU

## CLEVA-CRETE PRODUCTS

### CLEVA-CRETE 842-MVRA

Specifically designed for the flooring industry, to eliminate problematic moisture vapour egress, it enables the laying of commercial flooring within 14 days of the concrete pour.

CLEVA-Crete 842's core technology has an organic chemical reaction with the cementitious elements in the concrete matrix and utilises the water of convenience to create a pure C-S-H, which eliminates capillary formation.

### CLEVA-CRETE 842-WP

Formulated for the commercial and industrial sectors to diminish moisture/chemical ingress/egress and is suited for specialised concrete in extreme pH environments, for example underground car parks, tunnels, rooftops, wineries, sewerage treatment plants, piling and aquaculture industries.

This admixture should be added to concrete whenever superior durability, water-proofing, extended service life, chemical resistance and densification are demanded.

### CLEVA-CRETE 842-RP

CLEVA-Crete 842-RP Reo (rebar) protect provides the water-proofing technology of CLEVA-Crete 842-WP with an additional, premium corrosion-inhibitor, coating all steel during the plastic stage.

This admixture is for applications specifically requiring CLEVA-Crete's core technology of eliminating the route of moisture/chemical vapour ingress/egress.

It goes into concrete designed to deal with extreme geo-technical forces in high-rise construction, infrastructure, mine shafts, wharves and more.



68 Pedder Crescent, Regency Park SA 5010

**PHONE** 1300 503 929

**EMAIL** [info@clevacrete.com.au](mailto:info@clevacrete.com.au)



[CLEVACRETE.COM.AU](http://CLEVACRETE.COM.AU)