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ACN 109 200 900

AUSTRALIAN SECURITIES EXCHANGE ANNOUNCEMENT

12 February 2019

EdenCrete® - Positive Korean Durability Test Results

HIGHLIGHTS

- Highly encouraging trial results achieved in Korean university trials of EdenCrete® HC and EdenCrete® Pz in two different concrete mixes (for concrete pavement and for precast concrete applications) being tested for overall durability by analyzing a wide range of performance characteristics.
- Positive results to date have been achieved in 23 out of the 29 tests that have been conducted with added EdenCrete® products and including the following improvements:
 - Shrinkage (Ring Test) – Greater than 20%
 - Dry Shrinkage – up to 24.6%
 - Cracking Resistance – up to 60.1%
 - Amount of Water Permeation – up to 16%
 - Flexural Strength – up to 15%
 - Split Tensile Strength – up to 13.6%
 - Compressive Strength – up to 9.7%
 - Young's Modulus – up to 11.13%

Testing for chloride permeation and a possible further review of the fire resistance test (assessment of which is partly visual) are yet to be completed.

DETAILS

Trials are being undertaken in South Korea at Hanyang University to fully evaluate the potential of EdenCrete® products to enhance both the overall durability and other performance characteristics of Korean concrete (see Eden Quarterly Report to 31 December 2018 - ASX: EDE 10 January 2019). A wide range of tests are being undertaken in two different concrete mixes made with Portland cement and slag (designed for road pavement applications) and Portland cement and fly ash (designed for pre-cast concrete applications).

To date, highly encouraging results have been achieved in 23 out of the 29 tests completed to date (including on some tests, the same test measured after as many as three different time periods). In the compressive strength tests, one mix tested at three different time periods resulted in three of the six, mostly small negative results that have resulted to date.

Testing for chloride permeation and a possible further review of the fire resistance test (assessment of which is partly visual) are yet to be completed.

The results achieved to date from the testing program include the following:

Durability and Strength Evaluation

	Concrete Pavement Concrete EdenCrete® HC +Pz added	Precast Concrete EdenCrete® Pz added
TEST	% IMPROVEMENT	% IMPROVEMENT
Ring-Test (shrinkage)	Improved concrete by delaying cracking by approx. 20%	No Cracks after 40 days (end of trial). Reference cracked approx. 11 days.
Drying shrinkage measurement	Improved concrete by reducing shrinkage strain by up to approx. 24.6%	Improved concrete by reducing shrinkage strain by approx. 21.8%
Plastic shrinkage cracking resistance	Improved concrete by reducing crack width by up to approx. 49.9%	Improved concrete by reducing crack width by up to approx. 60.1%
Amount of Water Permeation	Improved concrete by reducing quantity of permeated water by up to approx. 16%	Improved concrete by reducing quantity of permeated water by up to approx. 7.5%
Compressive Strength	Improved concrete by increasing compressive strength by up to approx. 9.7%	Reduced compressive strength by up to approx. 8.9%
Young's Modulus	Improved concrete by increasing Young's Modulus by up to approx. 11.13%	Improved concrete by increasing Young's Modulus by up to approx. 10.6%
Flexural Strength	Improved concrete by increasing flexural strength by up to approx. 15%	Improved concrete by increasing flexural strength by up to approx. 15%
Split Tensile strength	Improved concrete by increasing split tensile strength by up to approx. 6%	Improved concrete by increasing split tensile strength by up to approx. 13.6%

These highly encouraging results follow earlier successful trials during 2018 in Colorado using three versions of Korean cement, that resulted in Eden signed a binding Memorandum of Agreement with KC Industry Co., Ltd. ("KC") (www.kccond.co.kr), a leading Korean precast concrete manufacturer, to jointly develop EdenCrete® enriched concrete, mortar and grout mix designs for use by KC in South Korea, to improve their technical performance.

KC, listed on KONEX (Korea Exchange), is a Korean precast concrete group that uses technology and innovation to deliver world-leading products for all sectors of the Korean precast concrete market. It has a research, testing and development capability and has developed a number of patented products, upon which it has built its position as a leader in the Korean precast concrete market with emphasis on infrastructure including bridges, subways, and tunnels.

It services the whole South Korean market, operating its own large pre-cast plant, as well as having five other plants that manufacture for it on a contract basis (using KC's designs and under its quality control) that are spread across Korea. Additionally, KC owns two mobile precast manufacturing plants, and has undertaken projects in the Philippines and Vietnam.

In addition to use in pre-cast concrete products, KC intends to also use EdenCrete® in a range of markets including concrete highway pavement construction, repairs and road barriers.

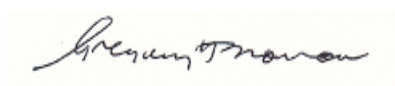
Eden and KC entered into the Agreement to collectively undertake the necessary testing and development (the "Testing and Development") to integrate EdenCrete® into KC's existing precast concrete products as well as to develop other cement based products, including mortars and grouts, that incorporate EdenCrete® for KC to use and market in Korea.

KC engaged the Korean University to conduct these recent tests, the results of which are summarized above, and since receiving these results KC has advised that it proposes to immediately commence trials of EdenCrete® in its own precast operations.

Eden is hopeful that these internal trials by KC will be successful and result in KC not only commencing to use EdenCrete® in its own operations on a regular basis but also in KC seeking to be appointed as the distributor of the EdenCrete® range in Korea.

EdenCrete® Background

EdenCrete™ is Eden's 100% owned, proprietary carbon-strengthened concrete additive, one of the primary target markets for which is improving the performance of concrete used in the construction and maintenance of concrete roads, bridges and other infrastructure. Additionally, it has potential for use in a range of other concrete applications including high-rise building construction, marine and coastal applications, water storage and pipelines, and pre-fabricated concrete structures and products.



Gregory H. Solomon
Executive Chairman