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Applications

Staying cool with precast

Precast concrete has become the solution to safely and efficiently capture hydrofluoric acid. With many unique characteristics, the precast containment structures are playing a role in keeping drivers cool.

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Pinot gris out of a concrete barrel-wine not?

manufactured a precast concrete barrel that holds up to 1900 litres of wine and weighs

An Oregon (US) winemaker has

approximately 2.7 tonne.

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Are these giant concrete domes the solution to eroding shorelines?

Concrete 'reef balls' were deployed in Connecticut (US) to help slow erosion by reducing the impact of waves. As a test, rows of the heavy domes, each about 90cm wide, have been installed just offshore.

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Austroads webinar on 1st May Austroads has recently completed a four year

The latest on geopolymer concrete: join

AN AN AN AN AN AN

A. Carrel

Austroads has recently completed a four year research project on the use of geopolymer concrete in structural and nonstructural applications. Join the webinar at 12noon AEST on Tuesday 1st May.

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Oils ain't oils

A range of low volatile organic compound (VOC) products have hit the Australian market and are challenging the common perception that all chemicals comprise hazardous substances. Several are used in the precast concrete space.

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2018's award-winning sustainability applications

The NPCA's (US) Sustainability Awards recognise excellence in sustainable products, practices and operations among its members, highlighting the precast concrete industry's continuing commitment to sustainability.

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Innovations



Adding a different type of ash to the mix

Researchers from MIT (US) have found that pulverising volcanic ash and adding it to the concrete mix can make the process more environmentally friendly and result in stronger structures.

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3D-printing brings products to life

Researchers have successfully used cement and geopolymer separately as binders in 3D printing machines. The advent of 3D-printer technology has opened up larger scale opportunities for the infrastructure sector.

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The latest and greatest products in concrete construction

From efficient forming systems for concrete footings and foundations, to concrete production and delivery equipment, here are 2018's most innovative product nominees.

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