E-Crete™ PRECAST

A NEW DIRECTION IN CONCRETE

Zeobond is not just a concrete company. We develop hi-tech construction materials for industries outside of traditional construction.

Our projects span from working with the University of Melbourne on specialty acid-resistant coatings and concretes, all the way to ultra stable high temperature concretes and components for the United States Air Force.

The benefits of these cutting-edge programs is then passed on to all of our customers in our everyday E-Crete™ precast products, making E-Crete™ one of the most advanced concrete products on the market, perfectly suited to bush-fire prone regions and areas exposed to aggressive chemical environments. Despite the high-tech label, E-Crete™ products can still be treated with traditional acrylic based paints, mortars, grouts and glues.

www.zeobond.com
www.ecrete.com.au

E-Crete™ BY Zeobond

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Environment:

The manufacture of one tonne of ordinary Portland Cement produces about 0.9 tonne of CO_2. Making cement is responsible for around eight per cent of global man-made carbon emissions! E-Crete™ is formulated to reduce the environmental impact of concrete used in everyday construction applications without sacrificing performance. E-Crete™ is made using industrial waste, namely fly ash and blast furnace slag, to replace traditional polluting cement with a lower emission alternative.

Through this ground breaking technology, E-Crete™ precast products more than halve the carbon emissions compared to Portland based precast concrete. E-Crete™ binder has been independently verified through a Life Cycle Assessment to produce **80 per cent less CO_2 than traditional cement.**

Strength:

E-Crete™ is specified in the exact same way as traditional concrete, utilising all of the same requirements.

Durability:

Zeobond was founded by internationally renowned experts in cement replacement technologies. With over 100 years of experience in the field and having written hundreds of scientific papers, presentations and books on the topic, Zeobond Pty Ltd and its partners have done extensive testing of E-Crete™ durability over a period spanning 60 years. As they say, the proof of the pudding is in the eating, so Zeobond constructed its own batch plant on E-Crete™ footings.

Quality Control:

At Zeobond, as the global leader in commercialising geopolymer technology, we pride ourselves on the quality of our products. We employ strict quality control procedures to assure the consistency and reliability in each precast product.

Products:

Similar to conventional concrete, E-Crete™ can be used in across an extensive range of precast applications.

Wall panels:

- Structural
- Architectural
- Retaining
- Dividing

Other precast elements:

- Pavers
- Wheel Stops
- Columns
- Beams
- Acoustic Barriers

Fire Rating:

Independent Fire tests have proven E-Crete™ Precast Panels to be superior to OPC based panels. Please contact us for more information.

Decorative Features and Sales:

Zeobond can include many of the decorative features used in traditional precast concrete, including colour, complex geometries and custom-made requests.

Purchasing E-Crete™ precast items is one of the best ways to reduce the carbon footprint of your project.

Please send your drawings to the address below to obtain a quote.

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