

ecoconcrete
PRODUCTS

ENVIRONMENTALLY
FRIENDLY CONCRETE
PRODUCTS >



CCP

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FRONT COVER IMAGE:
PROJECT: Penwith College,
PLACE: Penzance
Picture courtesy of Poynton Bradbury
Wynter Cole Architects

ecrete - Over 80% of the raw materials used in its manufacture are secondary sourced.



Challenge your perceptions...

Traditionally, concrete would not necessarily be viewed as most people's choice for an environmentally friendly product.

As demand grows for increasingly environmentally friendly solutions within the construction industry, eccrete products have been developed as a range of environmentally friendly structural concrete products which are made from a minimum of 80% secondary sourced products.

At its core is recycled china clay waste which is washed and graded so that it can be used as sand and stone in the concrete. Additionally cement can be partially replaced with either PFA or GGBS which are waste products from the coal and steel industries. Reinforcing steel used inside the concrete is sourced from the scrap metal industry. Finally, no mains water is used in its production.

Responsible Sourcing

All eccrete products are responsibly sourced in accordance with BES6001.

eccrete plus

Cornish Concrete Products has further developed eccrete plus which has a minimum overall content of 85% secondary product. This continual commitment to environmental matters assists CCP's customers in their pursuit of BREEAM excellence. (eccrete plus is not suitable for inclusion in all products.)

State of the Art Manufacturing

Many eccrete products are manufactured in a state of the art carousel plant which creates advanced levels of efficiency whilst producing less waste. Utilising flat precision engineered pallets, a robotic plotter for the setting out of CAD drawings and magnetic backed shutters for speed, pallets are circulated through pouring, vibrating and tilting stations. These are then cleaned, ready for circulation around the computer controlled plant once more.



PROJECT: Willoughby Road, Bracknell
ecrete stairs are made in reusable steel
formwork with a high quality finish and
accuracy that only precast concrete can
offer. All stairs have at least 80% secondary
sourced material.

Looking for green, innovative, efficient building solutions?

For those seeking green building solutions whilst still wishing to benefit from the advantages of precast concrete, ecocrete leads the way. CCP continues to utilise all the advantages that precast concrete has to offer, including thermal mass, high quality finish, excellent fire resistance, improved health and safety, shortened site programmes and durability.

V PROJECT: MSCP
PLACE: High Wycombe

Crosswall Construction and Thermowall Panels...

Imagine...

High Thermal Mass | Fast Track Construction | Stable Monolithic Construction | No Interstitial Condensation
Excellent Air Tightness | Exceptionally Low 'U' Values
No External Scaffold | BREEAM Excellence.

ecocrete products when coupled with good passive design offer high performance, low carbon buildings for the future.



ARCHITECTURAL CLADDING...

There is no need to compromise aesthetics as ecocrete products can be provided in a variety of finishes.



Bespoke concrete solutions...

As a business, CCP is constantly pushing the boundaries and challenging its creative instincts to make your vision possible. Whether a feature staircase, architectural cladding or just something unique to your particular project, CCP will always endeavour to bring it to fruition and offer advice based upon over 30 years of experience.

A vast range of finishes can be applied to concrete such as acid etching or shot blasting, as well as thin veneers of natural stone and brickwork cast onto the face of panels.



PROJECT: Tinside Lido

PLACE: Plymouth

PROJECT: O2 Arena
PLACE: London



PROJECT: Penhaligon Star
PLACE: Truro





PROJECT: Boscastle Bridge

This concrete society award winner was fabricated with 100% secondary sourced aggregates. The road bridge was also curved on plan, section and elevation and is sympathetic to its beautiful surroundings.

ecocrete products are the structural precast solutions for the future.

CCP is constantly trying to improve the percentage of secondary product and have driven the percentage from zero a few years ago to up to 80%-85%. CCP are continually looking to increase the range of products for ecocrete plus as well as looking into cements with reduced carbon content.

CCP is continually developing the use of structural steel and polypropylene fibres in its concrete, which has the potential to reduce the amount of material used by up to a third, and hence lower the impact on scarce resources further.

PROJECT: City Vizion
PLACE: Newport



PROJECT: RM Barracks
PLACE: Instow



ecocrete plus has achieved at
least 85% secondary product

PROJECT: Dorothy Hodgkin Building

PLACE: Bristol

More reasons to be cheerful ...

- / Speed of Installation
- / Quieter Site Operations
- / Improved Health and Safety Benefits
- / Reduced Preliminary Costs
- / Low Noise Transmission
- / Weather Effects Minimised
- / Reduced Maintenance Costs
- / Stable and Durable Product
- / Reduced Site Co-ordination
- / Just in Time Deliveries
- / Fire and Rot Proof
- / Recyclable
- / Over 85% of All Purchases are Locally Sourced
- / Made in Britain

V PROJECT: Torquay Community College
PLACE: Torquay



V PROJECT: Distribution Centre
PLACE: Waltham Cross

Environment and Quality

CCP takes its environmental responsibilities very seriously and is accredited with the Environmental Management System ISO14001. The company is also a founder signatory of the British Precast Sustainability Charter, and one of the first companies in the UK to be accredited with BES6001, the Code for Responsible Sourcing, achieving a "Very Good" status across its entire product ranges.

Furthermore, by choosing a precast concrete solution, the proliferation of waste and the risk of contamination are greatly reduced. Customers can take advantage of

the material's inherent thermal mass which when used within the internal fabric of a building acts as a dampening mechanism for the external temperature and hence reduces energy demand from heating and cooling.

CCP is also accredited with the Quality Management System ISO9001.



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