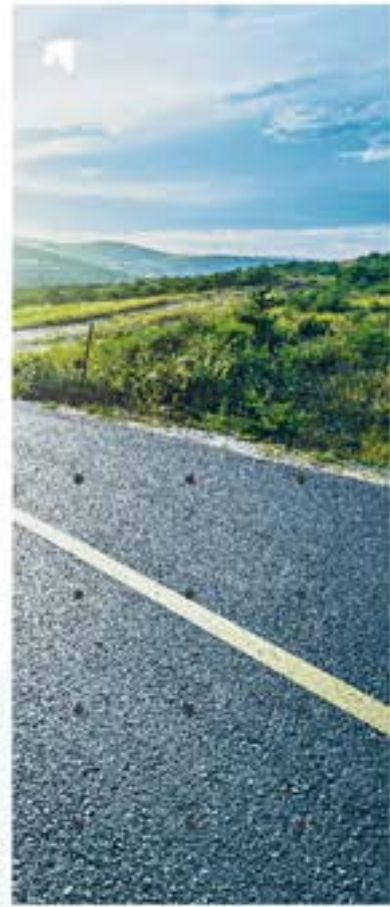




# BUILDING MORE WITH LESS, LOW CARBON CONCRETE SOLUTIONS

**ECO**Pact  
The Green Concrete





# GREENER CONSTRUCTION STARTS WITH THE RIGHT MATERIALS

**CONCRETE IS THE MOST RELIABLE AND WIDELY USED BUILDING MATERIAL IN THE WORLD, WITH A WHOLE HOST OF ADVANTAGES.**

Technical benefits such as stability, heat and fire protection mean people choose it over and over again for today's ever-improving infrastructure and impressive buildings.

That's why, as the demand for more sustainable solutions and developments in research increase, we're on-hand offering a comprehensive range of products to meet the evolving needs of our customers – without compromise.



## SUSTAINABILITY FROM CRADLE TO GATE

From the very beginning of the manufacturing process, we make sure raw materials are sourced as responsibly as possible.

A nationwide network of plants and a robust logistics system, including rail and barge, means we can transport materials across the country in a more environmentally- friendly way.

Where we do have to use roads, 93% of our fleet used to transport materials to site are Euro 6 compliant. So, you can rest assured that your concrete has still made the most efficient journey possible. We are investing in electric vehicles in both our concrete delivery fleet and operationally at our production plants including electric loading machinery.

We are proud to have deployed the ever first electric mixer truck in London to help our customers meet their carbon reduction objectives. Additional concrete delivery vehicles are being added to our fleet in other areas of the UK moving forward.



# BUILDING PROGRESS



# REDUCING CARBON IN THE UK

## THE UK AGREED A GROUND-BREAKING TARGET OF NET ZERO CARBON EMISSIONS BY 2050

Putting clean growth at the heart of the country's industrial strategy, this ambitious target could change how we live and work for generations. But to achieve this, businesses, local authorities and households will all need to make changes.

Part of the MPA (Mineral Products Association), UK Concrete have taken it one step further with a 'beyond net zero' framework. The roadmap aims to remove more carbon from the atmosphere than the industry emits using existing and emerging technologies.

Aggregate Industries are here to support that roadmap. Our vision is to create a more sustainable future, through our people, products and solutions – committing to supporting targets through the development of low carbon products that advance the pace of construction.

We have a clear Sustainability Strategy and roadmap to NetZero which clearly outlines our commitments and ambition across our business.



**CONCRETE IS THE SECOND MOST WIDELY USED MATERIAL WORLDWIDE, AFTER WATER.**



**GREENER  
CONCRETE,  
GREENER PLANET**



# LOW CARBON CONCRETE SOLUTIONS



**ECOPact**  
The Green Concrete

## SUSTAINABLE DOESN'T MEAN COMPROMISE

### SAME GREAT DURABILITY



Concrete is durable like no other building material. Buildings erected today stand the test of time for generations, and when a concrete building is torn down, it's components can be almost completely recycled.

### SAME GREAT STRENGTH



A key characteristic of concrete is strength. There's a myriad of concrete mix possibilities, each designed specifically to meet a range of criteria. This doesn't have to change with low carbon concrete. You can still create complex designs with the same reliability and strength of traditional concrete.

### SAME GREAT FINISH



Whether it's exploring different mix designs, product proposals or strength testing for added peace of mind, our concrete team is on-hand to help you choose the most sustainable option for your needs.

If you're looking for the highest performance with the lowest carbon, our new ECOPact Prime AS concrete increases cement substitution and keeps pace with construction.

## CONCRETE RECYCLING

Did you know concrete can be recycled aiding the circular economy?

Due to its inert nature, it can be used as recycled aggregate or recycled concrete aggregate.

With a performance comparable to natural aggregate it has many applications. Including building products and road construction, reducing residual waste and reliance on virgin resources.

## DESIGNING A GREENER FUTURE

By choosing the most suitable concrete mix, you'll not only reduce your carbon emissions, but reduce the overall volume and weight of concrete used in a project.

Plus reduce potential over design, positively impacting on the overall cost and viability of a project.

Whether it's exploring different mix designs, product proposals or strength testing for added peace of mind, our concrete team is on-hand to help you choose the most sustainable option for your needs.



# RECOGNISING CHANGE THROUGH ECOPACT

**JOIN OUR  
ECOPact**  
The Green Concrete

**WE NEED TO MAKE A PACT...**

**IT'S THE ONLY WAY WE CAN BUILD PROGRESS FOR PEOPLE AND THE PLANET TOGETHER.**



**WE NEED A PACT BETWEEN:**

**SOCIETY AND ENVIRONMENT  
VISIONARIES AND REALISTS  
PERFORMANCE AND LOW CARBON  
CITIES AND NATURE  
DESIGNING AND PROTECTING  
BUILDING AND CLIMATE**



## OUR CONCRETE CARBON COMMITMENTS

We support our industry partners by offering technical CPDs, making sure they can easily choose the best, lowest carbon concrete for the a project.

We make sure that where CEM I is used, we optimise the volume in our mixes - keeping it sustainable while making sure your performance needs are met. All supported by an efficient plant network and the latest technology in mix designs and testing.

You'll always have a clear product solution, meaning you can meet specification, but include low carbon alternatives easily and with confidence. Delivered by expertly trained teams, giving you the tools you need to make a difference.

## THE APPROACH

ECOPact offers up to significantly lower emissions of CO<sub>2</sub> compared to standard (CEM I) concrete with no compromise on performance.

ECOPact is the innovative approach that we have developed at Holcim and Aggregate Industries to accelerate the transition to a net-zero future. We can only do this for the future of our planet if we engage with a plan for net-zero in the construction sector.

At Aggregate Industries we have detailed our approach to drive the sustainability agenda by supporting our customers with transparent data verified by third parties working closely with the supply chain to reduce CO<sub>2</sub>. Aggregate Industries' targets and objectives are clearly outlined in our sustainability strategy showing our company roadmap and commitment to decarbonise.

We are committed to helping our customers reduce the carbon footprint of buildings and infrastructure, so that they can build better and more with less.

# WHICH ECOPACT IS RIGHT FOR ME?

**ECO**Pact  
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ECOPACT IS THE WORLD'S BROADEST RANGE OF LOW-CARBON CONCRETE

## THE ECOPACT RANGE

### ECOPACT - OVER 30% CARBON REDUCTION

A low carbon concrete utilising blended cement, that has between over 30% CO2 reduction compared to a standard concrete (CEMI) mix.

### ECOPACT PRIME - OVER 50% CARBON REDUCTION

A low carbon concrete utilising blended cement, that has between over 30% CO2 reduction compared to a standard concrete (CEMI) mix.

### NEW ECOPACT PRIME AS - OVER 50% CARBON REDUCTION

A unique mix, producing a concrete that has greater carbon reduction than ECOPact, plus active strength development and same setting time as ECOPact. Providing very low carbon concrete with the highest performance.

**edie awards**

PRODUCT INNOVATION OF THE YEAR 2023



## ECO LABEL

We can also offer low carbon concrete for key product applications as part of our ECO label range.

### WHAT DOES ECO LABEL MEAN?

It means that the following concrete mixes have been assessed using the same EPD methodology to collect product carbon data which is also verified by third party Circular Ecology. This process demonstrates that they achieve a minimum of 30% reduction in carbon.

- **Agilia ECO** - Free flowing self compacting concrete.
- **Artevia ECO** - Coloured ready mixed concretes that are suitable for a wide variety of architectural and decorative applications.
- **Highpave ECO** - Fibre reinforced pavement grade ready-mixed concrete.
- **Watertight ECO** - Specialised ready-mixed concrete, designed to protect a structure from water ingress or to retain water within a structure.

# ECOPACT INNOVATION

We are constantly investing in research and development so that we can evolve our ECOPact solutions for customers and reduce carbon by looking at alternative replacement cementitious materials.

## ECOPACT AND ECOPLANET

Our ECOPlanet green cement range reduces CO2 emissions by at least 30% when compared to standard CEM I cements.

**ECOPlanet**  
The Green Cement

## MULTI COMPONENT MIXES

We have invested in a new multi component range of concrete mixes into the ECOPact solution offer. Extensively developed and tested through our concrete labs and trials, we can offer customers alternatives including Calcined Clay.

## ECOPACT AND CDM

To build new from the old, our processes allow us to recycle construction and demolition materials into new building solutions. This is enabled by efficiently distributing, processing, grinding and recycling construction and demolition materials into new building solutions with no compromise on performance. By combining CDM with ECOPact, we not only mitigate carbon emissions but also promote a holistic, circular economy within the construction industry, ultimately advancing us closer to our net-zero emissions goals while fostering sustainability and resilience in the built environment.

## GET YOUR EPD FOR ECOPACT THE GREEN CONCRETE



## DATA DRIVEN APPROACH



### EPD'S AND CERTAINTY OF CARBON DATA

At Aggregate Industries, we are committed to helping our customers take the guess work out of carbon calculations for construction with a data driven approach.

We have invested significantly in third party accredited EPDs and carbon reporting methodology with Circular Ecology so we can pass on this vital data to our customers for their projects, helping them to specify sustainably and move towards net zero.

#### WHAT WE CAN OFFER:

- Project Specific EPD's
- All carbon data uploaded to software platform
- On Demand, accurate and transparent data at our fingertips
- EPD per mix, per load



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