

ECO Pact

The Green Concrete

LOW CARBON
CONCRETE WITH THE
PERFORMANCE OF
STANDARD 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.

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.



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.

Get in touch at ecopact-aiuk@aggregate.com

PUT ECOPACT AT THE HEART OF YOUR PROJECT

We have already explained how we are already making some great sustainable decisions in the UK construction market, but we can do more. This is where the new ECOPact range will help us to make even better, sustainable decisions.

We have invested in new technology and spent time on research and development to help make the process as simple as possible for everyone involved. All of our teams have been involved in a series of training sessions, not only to help understand the solutions we have but also to have a better understanding of why this matters.

Introducing our new ECOPact solutions

ECOPact - 30-50% CARBON REDUCTION

A low carbon concrete utilising blended cement, that has between 30-50% CO₂ reduction compared to a standard concrete (CEMI) mix.

ECOPACT PRIME - 50-70% CARBON REDUCTION

An engineered low carbon concrete utilising higher blends of cements using GGBS and FlyAsh substitutes. ECOPact Prime delivers between 50-70% CO₂ reduction compared to a standard concrete (CEMI) mix.

ECOPact MAX - ABOVE 70% CARBON REDUCTION

Our lowest carbon range of concrete using cement alternative technology such as Geopolymers and alkaline activators, offering a minimum of 70% CO₂ reduction compared to a standard concrete (CEMI) mix.

CO ₂ reduction	CO ₂
ECOPact	30-50%
ECOPact ^{PRIME}	50-70%
ECOPact ^{MAX}	>70%
ECOPact ^{ZERO}	100%



WANT TO GO CARBON NEUTRAL?

You can choose to make any ECOPact product, including Prime and Max, carbon neutral through offsetting the residual CO₂. This will automatically upgrade your product to **ECOPact Zero**, our carbon neutral product.

You don't need to do any additional work, simply upgrade your product to be carbon neutral when you place the order. Through our carbon offsetting scheme, we will calculate the remaining carbon and purchase the credits to ensure whichever product you choose, is the most sustainable option available right now.

We will handle all of the admin and provide you with a certificate as proof once your concrete has been delivered. It's as simple as that.

WHICH ECOPACT IS RIGHT FOR ME?

Our range of ECOPact products have been designed to offer alternative solutions for all construction applications - from foundations to structural and infrastructure.

For more detail or to discuss a specific application, speak to your local concrete team or email ecopact-aiuk@aggregate.com

ECOPact
The Green Concrete

ECOPact

Standard Product Ranges

	C20	C25	C30	C35	C40	C50	GEN 0	GEN 1	GEN 2	GEN 3	PAV 1 plus AEA	PAV 2 plus AEA
ECO Pact	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ECO Pact Prime	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
ECO Pact Max	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗

ECOPact

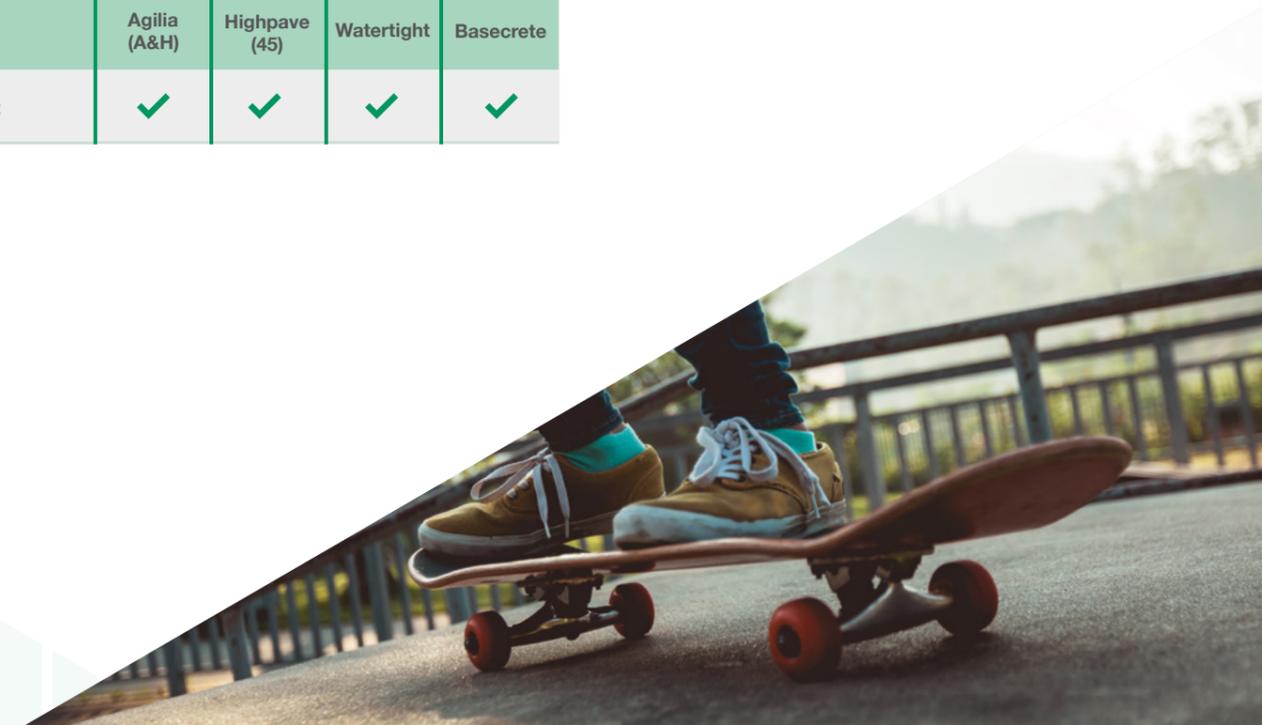
Standard Product Ranges

	RC20 /25	RC25 /30	RC28 /35	RC30 /37	RC32 /40	RC35 /45	RC40 /50	RC40 /50XF	FN D2	FN D3	FN D4
ECO Pact	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓
ECO Pact Prime	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓
ECO Pact Max	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗

ECOPact

Performance Products

	Agilia (A&H)	Highpave (45)	Watertight	Basecrete
ECO Pact	✓	✓	✓	✓



WHAT'S CARBON OFFSETTING?

Carbon offsetting is rapidly rising in importance. The world's carbon emissions are increasing at an alarming rate and offsetting your carbon emissions is a powerful mechanism to help in the battle against climate change and global warming.

Benefits of carbon offsetting are not only carbon emission reduction, but depending on the offset project type, they can bring many benefits to the wider environment. As well as local, social and biodiversity benefits.

Carbon offsetting means individuals and companies can reduce carbon emissions by buying credits in carbon reduction projects. These projects include:

- Biogas generation
- Clean water access
- Clean cookstove projects
- Renewables, such as solar PV and wind turbines

Each carbon credit is equivalent to a carbon reduction of one tonne of CO₂ and also meets ten of the United Nations Sustainability Goals (UNSDG).

OUR OFFSETTING PARTNERS

Circular Ecology is a UK based environmental consultant. They were founded in 2013 to offer resource efficiency services, including carbon footprinting, water footprinting, life cycle assessment (LCA), circular economy and general resource efficiency.

Circular Ecology has a strong background in the construction and the concrete industry, making them an ideal partner to support this programme.



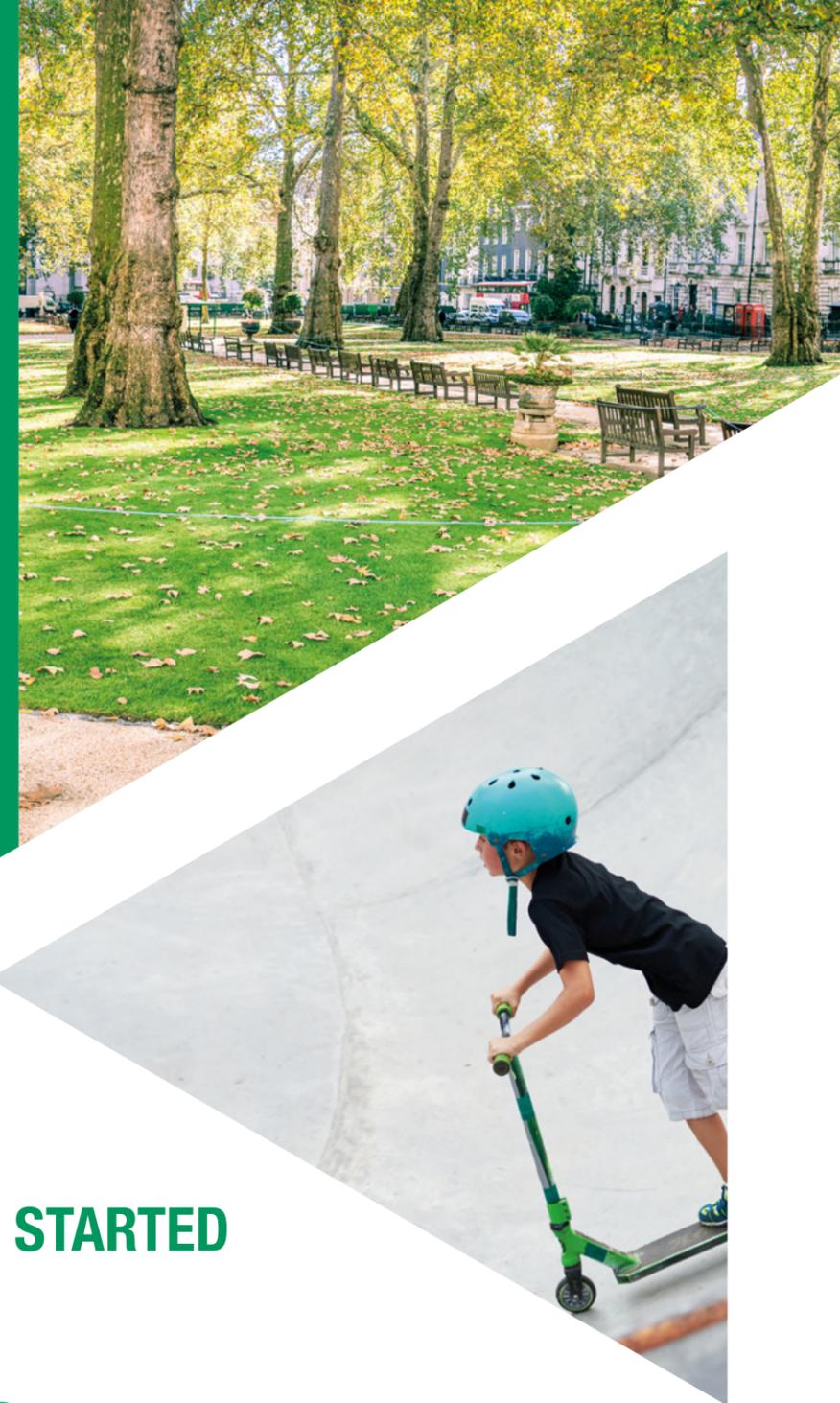
THE OFFSETTING PROCESS

Carbon offsetting your emissions involves procuring carbon credits, then retiring them on behalf of your organisation. For a carbon credit to be have credibility, it must be:

- **Additional** – ensuring that the carbon reduction is real and permanent
- **Verified** – providing assurance on the quality and credibility of the credits
- **Traceable** – transparent and proving proof of the offset

There are carbon offsets available from various verification schemes, including:

- **Gold Standard** – www.goldstandard.org
- **Verified Carbon Standard** – verra.org/project/vcs-program



HOW TO GET STARTED



TOGETHER, WE'LL BUILD A GREENER FUTURE

WHERE YOU CAN FIND ECOPACT



We have UK plants up and down the country, offering the ECOPact range.

To check your area, get in touch at ECOPact@aggregate.com

TRY OUR CARBON CALCULATOR

As part of the new ECOPact range, we've developed an online carbon calculator. This simple-to-use online tool helps you calculate your CO₂ savings by recommending solutions based on the volume, concrete, and cement type; helping you to make the right choice.

In just a few clicks, you can generate a straightforward report based on your requirements.

Try it for yourself at www.aggregate.com/ecopact

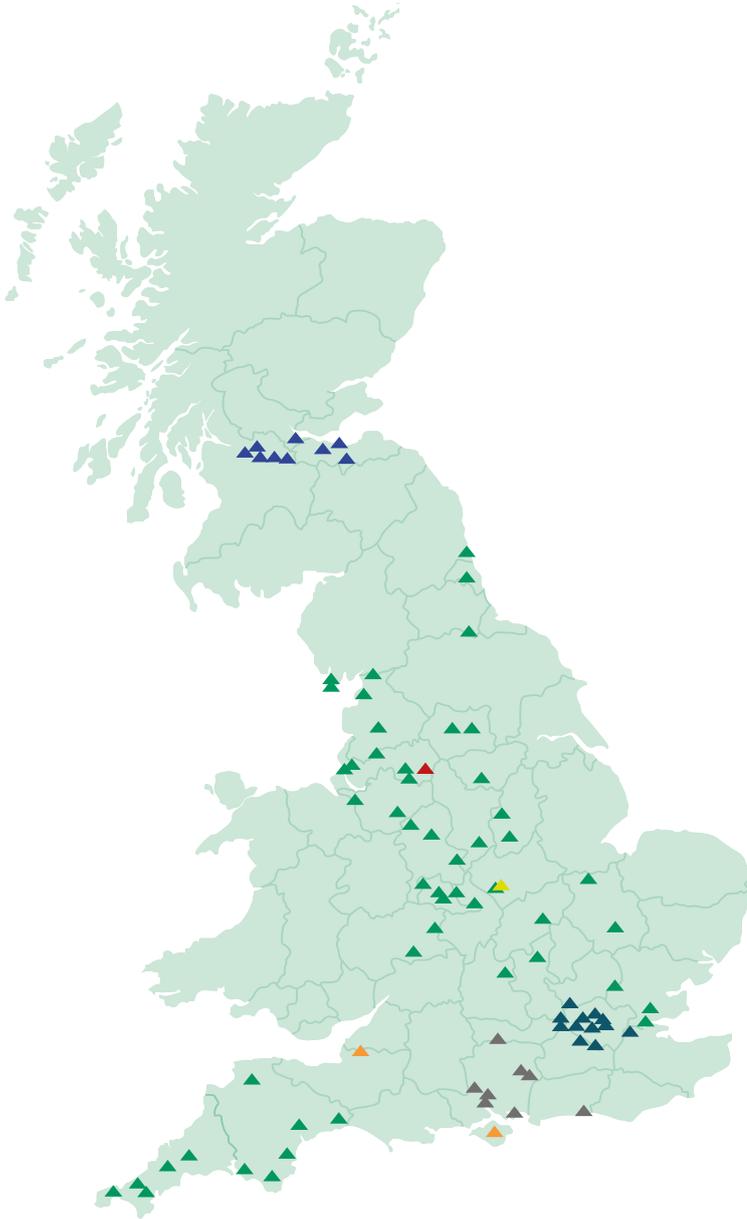
If you need a project specific report, contact our technical team and they'll develop a detailed report based on your requirements.

OUR CONCRETE CARBON COMMITMENTS

Here at Maxi Readymix Concrete, part of Aggregate Industries, our job is to understand concrete. We know for the architects and specifiers out there it can be complicated and the routine of sticking with what we know can be tempting.

So, to support our reduce theme we're launching our three Concrete Carbon Commitments.

- ▶ We'll support our industry partners by offering technical CPDs, making sure they can easily choose the best, lowest carbon concrete for the job.
- ▶ We'll 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.



Our ready-mixed concrete plants

- △ Aggregate Industries
- △ Kendalls
- △ London Concrete
- △ Aggregate Industries Scotland
- △ Maxi
- △ Stalybridge
- △ Joint Ventures

