



built environment.

Concrete is flexible, versatile, durable and strong, and is used in a wide variety of applications including housing, commercial buildings, road building and essential infrastructure projects such as bridges, tunnels and airports as well as energy and water plants.

It also absorbs CO₂ throughout its life and is 100 per cent recyclable, contributing significantly to the circular economy and providing materials with lower embodied carbon.

THE ECOCRETE® RANGE

Hanson has developed its EcoCrete® range of low carbon concretes to make it easier to access low carbon concretes. EcoCrete® reduces the CO₂ emissions associated with standard CEM I concrete by up to 85 per cent, helping contractors and clients meet their carbon reduction targets.

They contain Regen GGBS (ground granulated blastfurnace slag), a by-product of iron-making, as a replacement for some of the cement content in the concrete. Using GGBS reduces the embodied CO2 in a concrete mix by around 780kg for every tonne of CEM I Portland cement (PC) it replaces.

It also increases the long-term durability of structures, conserves natural resources for future generations as it does not require the quarrying of materials and prevents the slag being disposed of as landfill.

There are three products in the range:

EcoCrete®:

reduces CO₂ by 30-64 per cent compared with CEM I concrete

EcoCrete® Extra:

reduces CO₂ by 65-79 per cent

EcoCrete® Elite:

reduces CO₂ by up to 85 per cent

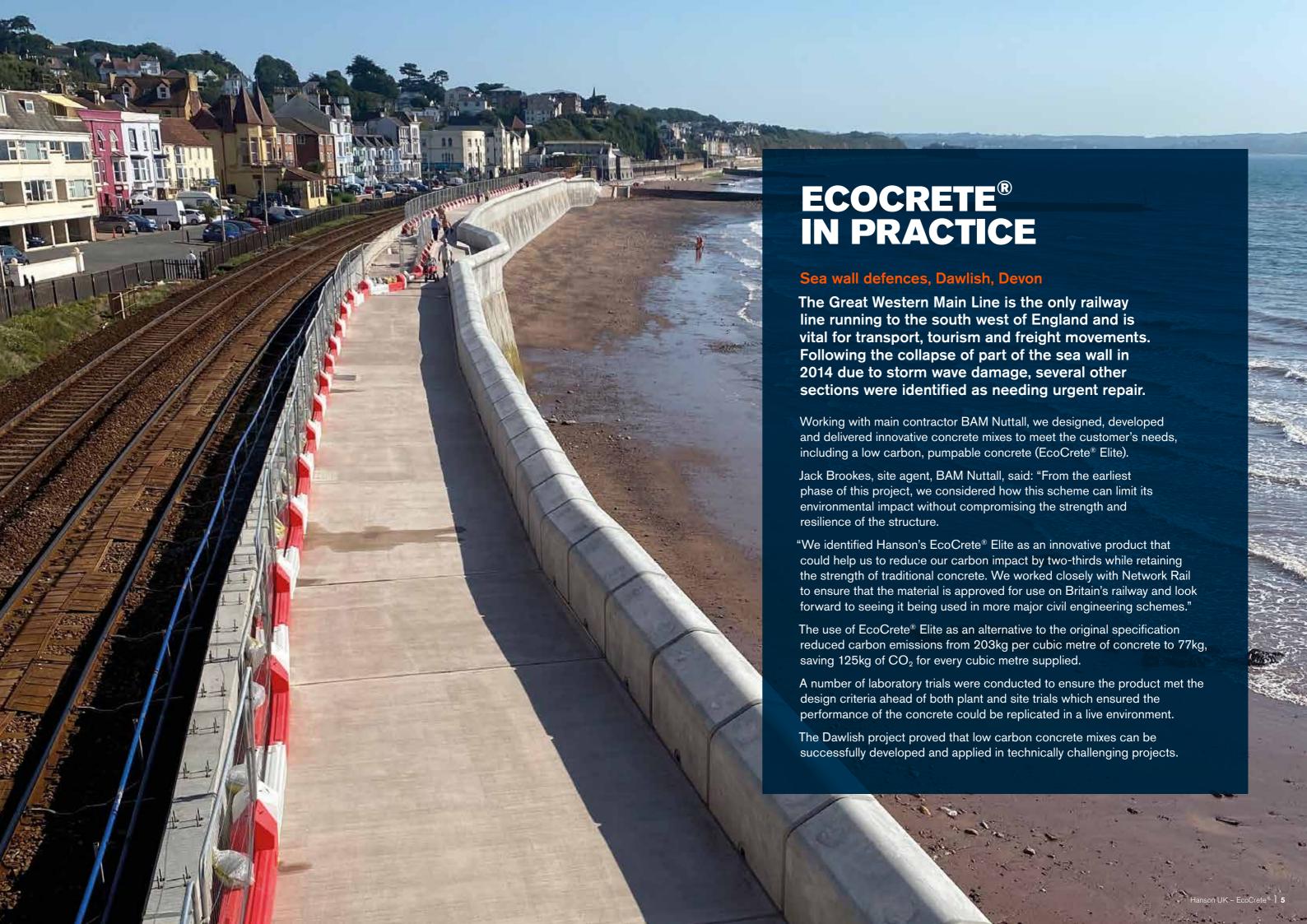


All products offer the high quality and reliability features associated with our ready-mixed concrete but with the benefit of significantly reducing CO₂ emissions. Wherever possible we use recycled water to produce EcoCrete®, adding to its sustainability credentials.

The input values we use to calculate the CO₂ emissions of a concrete mix are externally verified and we can use this data to support our customers with a kg/CO₂/m³ indication for each mix. Where required, an indicative EPD* can be generated using lifecycle assessment tools aligned with the product category rules for Type III construction products to EN 15804. These detail the CO₂ emissions for a concrete mix and provide further detail of where the CO₂ emissions occur along the value chain.

* Indicative EPDs are not externally verified







CONCRETE SOLUTIONS

Hanson offers a wide range of concrete solutions to suit every project and application. Whether you're faced with difficult ground conditions, difficult applications or difficult access, we can provide an answer. All of our concrete solutions are available in low carbon options.

Colourcrete: a range of coloured concrete that can add a whole new dimension to your project.

EasyFlow: a free-flowing, self-compacting concrete, which is quick and easy to place. It offers huge benefits and cost savings by allowing placement of concrete in difficult situations.

EasyPile: a concrete range offering the ideal solution to many of today's engineering challenges facing the piling and foundation specialist.

EcoCrete: our high quality, lower carbon concretes designed to help customers meet their carbon reduction targets.

Farming concrete: a range of hardwearing, highly durable concrete ideal for farming and agricultural uses.

FastTrack: a range of high early-strength concretes, which speed up construction by allowing quick release of formwork, saving time, energy and money.

Fibrecrete: a polypropylene fibre-reinforced concrete, which is quick and easy to use and provides enhanced structural performance.

Powercrete: a robust, high-performance, heat-conducting concrete, used as a bedding and infill material for underground HV and UHV cabling to increase the efficiency of power transmission networks. It can be used with CableCem, a heat-conducting grout developed as an infill material for jacket tube systems.

Watertight: a specially designed concrete which includes a pore blocking agent and powerful new generation superplasticiser to provide extremely low permeability and create a waterproof structure.

Hanson Concrete also has a proven track record in developing and producing bespoke formulations for specific engineering requirements.

Our national laboratory is fully equipped to provide a range of testing services in accordance with British and European Standards. We offer on-site sampling and testing to help demonstrate compliance with your concrete specification requirements, as well as a collection and testing service for site manufactured samples.



Hanson UK - EcoCr



Health and safety

Hanson's workforce is committed to achieving the highest standards of health, safety and welfare for our colleagues, customers and the general public. Right through the business, health and safety is a top priority and our target is zero harm.

We focus on the physical and mental health of our workforce and are a corporate partner of Mates in Mind, an industry charity campaigning for greater awareness and support for mental health issues.

Plant network and distribution

We have a comprehensive UK-wide network of concrete production sites that enable us to supply contracts of all sizes while minimising transport costs and ensuring the efficient transfer of our materials.

We have invested in 180 new eight cubic metre capacity truck mixers, which offer increased capacity, reducing lorry journeys, and improved safety and efficiency. Our Supamix mini-mix operation offers small volumes of concrete from 0.5m3 to 3m3 and is suitable for sites with

restricted access. It is available to customers within a 20-mile radius of our 21 Supamix plants across the North East, Yorkshire and Cumbria.

Social value

We are committed to meeting our responsibilities as global citizens and champion the local economy and support communities with donations of materials, time and money. Our social value policy, along with our sustainability policy, outlines our approach to sustainable procurement and corporate social responsibility.

Technical support

Our technical team is on hand to ensure you specify the right EcoCrete® product for your project. We also offer the Hanson Intelicrete maturity system which provides wireless concrete monitoring for temperature and strength gain to allow fast track construction when using low carbon concretes.

Find out more at:

T: 0330 123 4535

E: concrete@hanson.com







MANAGING AND TRACKING **DELIVERIES**

Our OnSite app has been developed to allow customers to take control of their concrete deliveries and it:

- Allows real-time tracking of concrete deliveries
- Provides push notifications when orders are despatched
- Allows customers to view current orders placed for delivery within the next seven days
- Helps customers manage their sites efficiently and effectively
- Is free to download on iOS and Android



Learn more about our digital tools at https://www.hanson.co.uk/en/digital-solutions

