



FibreCrete®

Fibre-reinforced concrete

Also available with eVOBUILD

heidelbergmaterials.co.uk/fibrecrete



Who we are

Heidelberg Materials is one of the world's largest integrated manufacturers of building materials.

Heidelberg Materials is one of the UK's largest suppliers of high quality ready-mixed concrete. We operate a national network of almost 160 static and mobile production plants and supply a wide range of products to suit every project and application.

We have a proven track record in producing innovative concrete solutions for specific engineering requirements and supply projects of all sizes – from nationally significant infrastructure projects like Hinkley Point C and Crossrail to domestic garden paths and shed bases.

As one of the UK's leading building materials suppliers, we are proud to be driving the transition to low-carbon construction and are committed to delivering net-zero carbon concrete by 2050.

 2,000+ Heidelberg Materials-livered vehicles	 8 packed product sites
 120+ ready-mixed concrete plants	 4 marine dredgers
 50+ sand, gravel and rock quarries	 3 cement plants
 35+ asphalt plants	 3 grinding plants making evoBuild Low Carbon GGBS*
 25+ rail depots and wharves supplied by road, rail and sea	 1 joint venture rail company, Mendip Rail
 6 landfill sites	 10+ waste transfer stations
 13 recycling centres	 3 hazardous waste treatment sites

*Ground Granulated Blastfurnace Slag.



Fibre-reinforced concrete

Stronger performance for long lasting results

Adding fibres to ready-mixed concrete strengthens its structure and supports long-term durability. Fibres increase tensile strength and limit early age plastic shrinkage cracking. In deeper sections, they reduce settlement and bleeding, helping you achieve a consistent, high quality surface finish.

Why choose fibre-reinforced concrete?

When we incorporate fibres during production, the concrete becomes more resilient and better protected against cracking. This can remove the need for traditional crack control mesh, reducing material use and streamlining installation. You benefit from faster construction, lower overall costs and a more durable end product.

Benefits for engineers

- Minimises plastic shrinkage cracking
- Reduces settlement and bleeding in deeper sections
- Enhances surface durability and finish quality
- Improves cohesion of fresh concrete for easier placement
- Provides greater flexural and shear strength
- Increases load capacity and ductility
- Offers superior abrasion resistance
- Improves fire resistance
- Supports potential CO₂ reduction through optimised reinforcement

Benefits for contractors

- Speeds up construction programmes
- Removes the risk of incorrect placement or movement of mesh
- Reduces total construction costs
- Simplifies installation for a more efficient build
- Improves health and safety on-site by reducing manual handling



Higher flexural and shear strengths



Improved load capacity and ductility



Increased fire resistance



Fibre-reinforced concrete solutions

FibreCrete Micro



FibreCrete Micro consists of non-structural synthetic fibres that comply fully with European and British standards. They are suitable for almost all conventional concrete mixes and applications. These fibres reduce early-age shrinkage cracking and improve fire resistance through their low melting point ($\approx 160^{\circ}\text{C}$). Like macro fibres, they are corrosion-resistant and support long-term durability.

Applications

- Concrete slabs and external paving
- Deep sections (>500mm)
- Strip footings and foundations
- Elements with high length-to-width ratios (e.g. pathways and kickers)

FibreCrete Macro



FibreCrete Macro consists of structural fibres manufactured from high-strength, high-modulus synthetic plastic. This product is designed to replace welded mesh and light reinforcement bars in concrete applications. Macro fibres provide strong performance during the early hardening phase by reducing or preventing crack formation. These synthetic fibres are corrosion-resistant, ensuring consistent performance and reliability in demanding environments.

Applications

- Suspended floors and roof elements
- Large-scale industrial floors
- Lightweight structures
- Architecturally sensitive buildings
- Complex geometric elements
- Sprayed concrete applications
- Replacement of steel mesh in corrosive environments

FibreCrete Steel



FibreCrete Steel consists of structural steel fibres available in a range of grades, shapes and sizes to suit most concrete flooring applications. FibreCrete Steel improves tensile strength and delivers reliable performance in demanding environments. These fibres also help prevent creep in hardened concrete, supporting long-term durability.

Applications

- Heavy-duty industrial paving
- Industrial ground-bearing slabs
- Jointless ground-bearing slabs
- Suspended slabs on piles
- Impermeable concrete slabs
- Sprayed concrete applications

FibreCrete performance characteristics

	FibreCrete Micro	FibreCrete Macro	FibreCrete Steel
E Modulus	3-5 GPa	5-15 GPa	200 GPa
Reduce early age shrink cracking	✓	✓	
Improve fire resistance	✓	✓	
Corrosive resistance	✓	✓	
Able to withstand high-loads			✓

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evoBUILD

Low carbon concrete

Our evoBuild range of low carbon concretes reduce the CO₂ emissions associated with concrete by at least 50%, measured against Global Cement and Concrete Association (GCCA) benchmarks helping contractors and clients meet their carbon reduction targets.

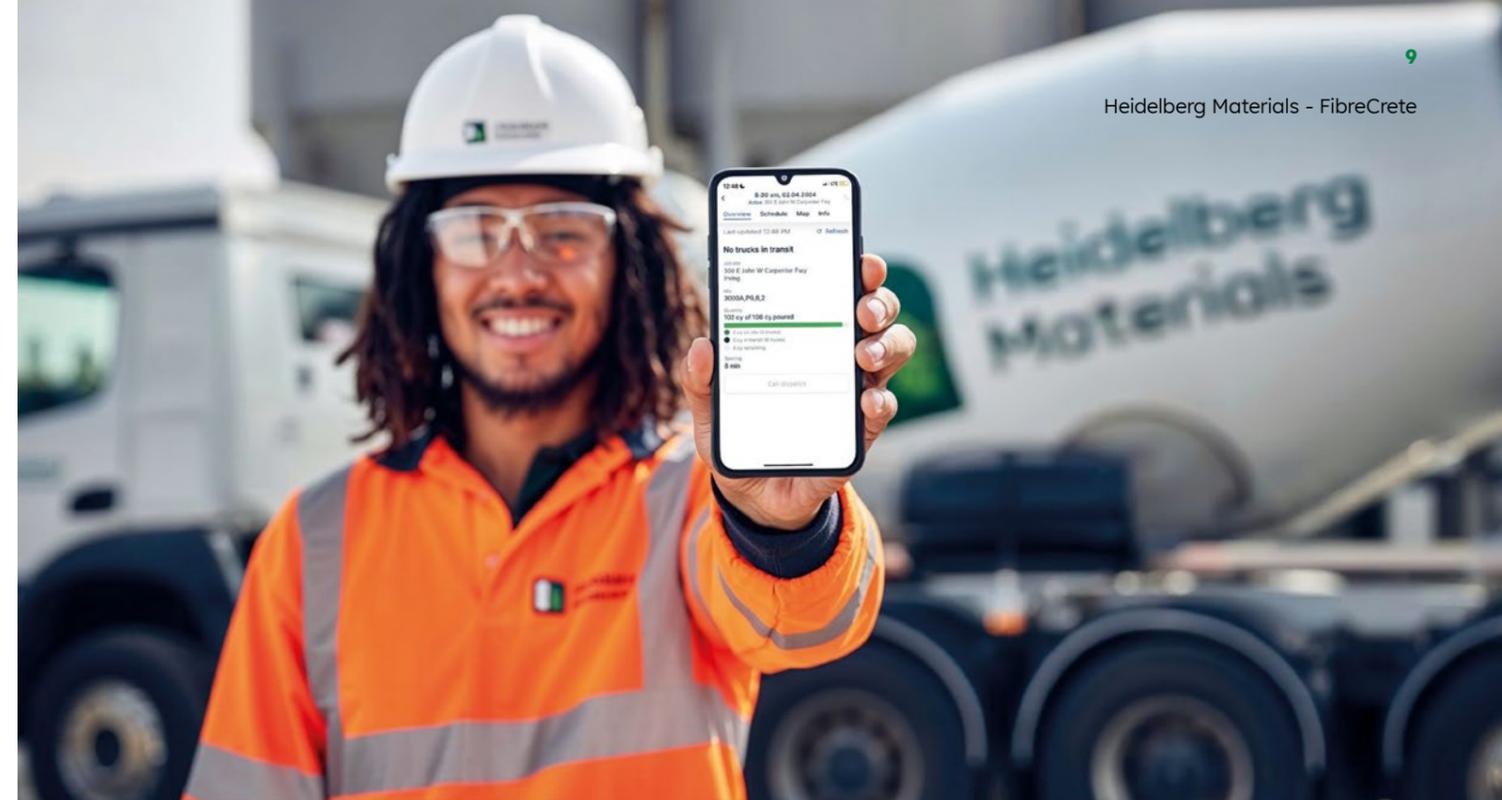
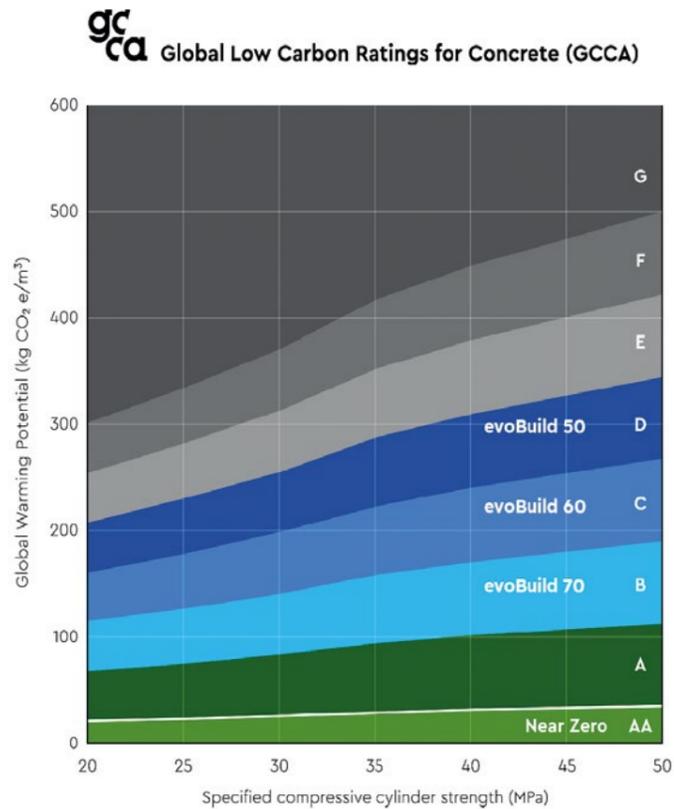
Benefits

- Reduces the carbon emissions associated with concrete by up to 70% against a fixed GCCA reference
- Easy to use and place
- Suitable for use in all applications, including reinforced and unreinforced concrete
- Complies with BS 8500 and BS EN 206-1 standards
- Provides increased durability
- Creates concrete with a lighter, more aesthetically pleasing colour
- Available nationwide
- 100% recyclable at end of life, contributing to the circular economy

evoBuild can be designed to suit most applications and is available nationwide from our static and mobile production plants.

Our technical team is on hand to ensure you specify the right evoBuild product to suit the requirements of your project.

concrete.technical@heidelbergmaterials.com



Manage and track deliveries with OnSite

Our app for tracking and managing Heidelberg Materials orders and deliveries. It's loads smarter.

OnSite simplifies order management and data handling, making it easier to oversee your orders and deliveries. OnSite eliminates the complexities of manual tracking and paperwork. Manage everything effortlessly with just a few taps.

With new features regularly added, including order requests and order management, you can focus on the project in hand.

Learn more:

heidelbergmaterials.co.uk/onsite

Download OnSite:



Take control of your account with Hub

Our customer portal is designed with you in mind.

Hub is your gateway to seamless communication and control. Access invoices, delivery tickets, request quotes, and place orders – all in one place, at the click of a button.

Learn more:

heidelbergmaterials.co.uk/hub

Access Hub:

hub.heidelbergmaterials.co.uk

Case studies

Do you want to see how our products have been used in a range of different projects and applications? Take a look at our latest case studies on our website.

heidelbergmaterials.co.uk/sector-case-studies



Technical support

Heidelberg Materials has regional technical teams across the UK and our experienced technicians visit sites to obtain test samples and offer professional advice. All samples are tested at our national UKAS accredited laboratory in accordance with current European and British Standards under third party accreditation by the Quality Scheme for Ready-Mixed Concrete.

Test results are then supplied to our national data centre where our advanced control systems are maintained independently from regional interference. Heidelberg Materials is the only national company to operate in this way, which provides the highest possible level of data integrity. Where necessary, we also draw on the expertise and resources available at our parent company, Heidelberg Materials' technical centre, one of the largest facilities of its kind anywhere in the world.

Scan the QR code below for more information.



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 1m³ to 4m³ and is suitable for sites with restricted access. It is available to customers within a 15-mile radius of our Supamix plants across Scotland, Cumbria, North East, Yorkshire and Central West.

Scan the QR code below for more information.





Sales team

To place an order or discuss your ready-mixed concrete requirements, contact your local sales team or visit our website.

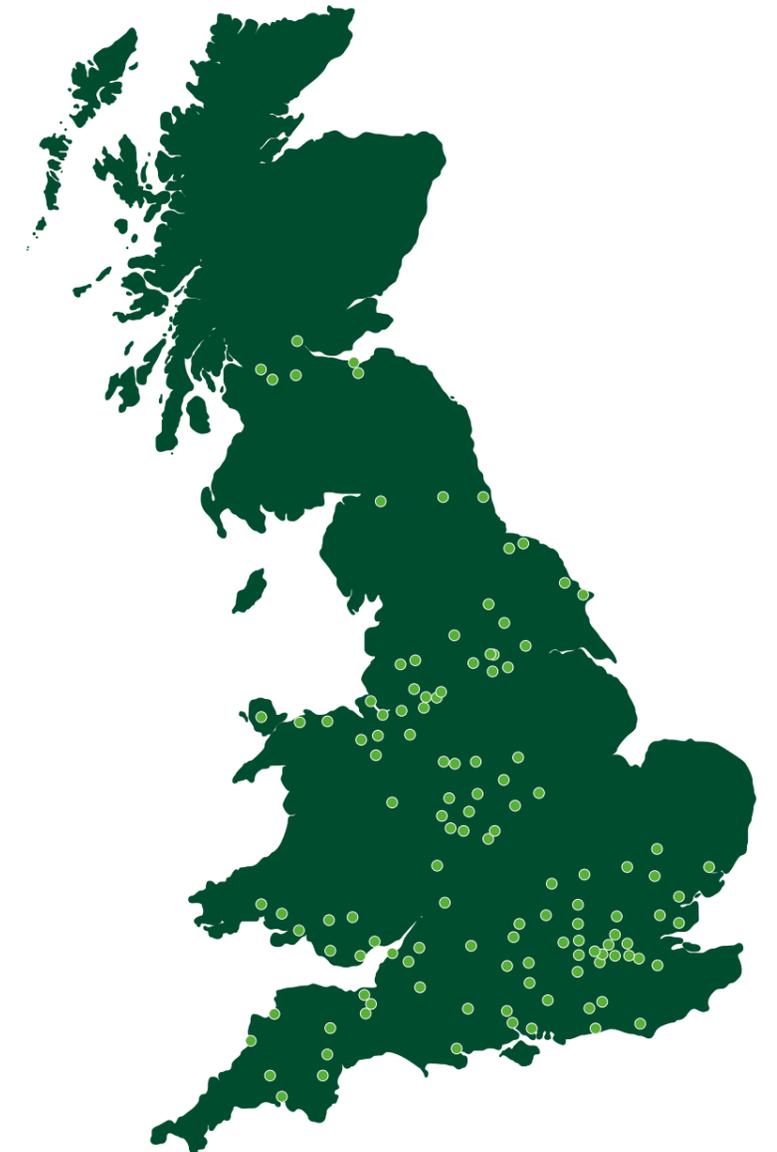
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heidelbergmaterials.co.uk

Heidelberg Materials ready-mixed concrete

Heidelberg Materials operates more than 120 concrete plants across England, Scotland, and Wales. This extensive network enables us to provide consistent product quality, reliable delivery, and local expertise to meet the needs of construction projects of all sizes.

Scan the QR code below to search for your nearest Heidelberg Materials concrete plant.



Specialist concrete range

Concrete is commonly specified for its strength and durability. Our range of specialist concretes provides a solution to all of your construction needs. Contact our technical team with your project details, and we'll develop a concrete solution tailored to your exact specifications.

	Aesthetics	High strength & durability	Chemical resistance	Project efficiencies	Low carbon
ColourCrete Coloured concrete	✓ 				
DuraCrete High-performance concrete		✓ 	✓		
EasyFill Foamed concrete				✓ 	
EasyFlow Self-compacting concrete	✓	✓		✓ 	
EasyPile Concrete for piling			✓	✓ 	✓
evoBuild Low carbon concrete	✓		✓		✓ 
Farm range Concrete for agricultural applications		✓	✓ 		
FastTrack Early strength concrete		✓		✓ 	
FibreCrete Fibre-reinforced concrete		✓ 		✓	
Home range Concrete for residential applications	✓			✓ 	
Power range Heat conducting concrete				✓ 	
Waterproof Water resistant concrete		✓		✓ 	



Heidelberg Materials UK is a leading supplier of heavy building materials to the construction industry

We are part of Heidelberg Materials, one of the world's largest integrated manufacturers of building materials and solutions with leading market positions in cement, aggregates, and ready-mixed concrete. In the UK, the company is split into five business lines – aggregates (crushed rock, sand and gravel), concrete, asphalt and contracting, cement and recycling – which together operate around 280 manufacturing and distribution sites and employ more than 3,500 people.

For detailed information on all areas of Heidelberg Materials UK and our products visit [heidelbergmaterials.co.uk](https://www.heidelbergmaterials.co.uk)

Bulk cement

- evoBuild low carbon GGBS
- CEM I / II A-LL / III
- White
- NHL 5

Aggregates

- Sand and gravel
- Crushed rock
- Bulk decorative aggregates
- Agricultural lime
- Rock armour
- Silica sand

Asphalt

- era® – low temperature asphalt
- CarbonLock
- AgeLast
- RecyclePlast

Concrete

- evoBuild low carbon concrete
- FibreCrete
- Coloured concrete – ColourCrete
- EasyFlow concrete
- EasyFlow screed
- Early strength – FastTrack
- EasyFill/Foam concrete

PowerCrete

- Piling concrete – EasyPile
- Waterproof concrete
- Sprayed concrete
- Reinforced concrete – FibreCrete
- Lightweight
- High strength concrete
- Home range and Farm range concrete

Contracting

- Highway maintenance
- Road surfacing

Packed products

- Cement
- Low carbon cement
- Ready-to-use mortar
- Ready-to-use concrete
- Asphalt
- Construction aggregates
- Decorative aggregates
- Sands
- Rock salt

Recycling

- Haulage
- Aggregates

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