

Power range

Heat conducting solutions for
the energy sector

Also available with **eVOBUILD**

heidelbergmaterials.co.uk/powerrange

















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 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
 150+ ready-mixed concrete plants	 4 marine dredgers
 50+ sand, gravel and rock quarries	 3 cement plants
 35+ asphalt plants	 3 grinding plants making Regen GGBS (ground granulated blastfurnace slag)
 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



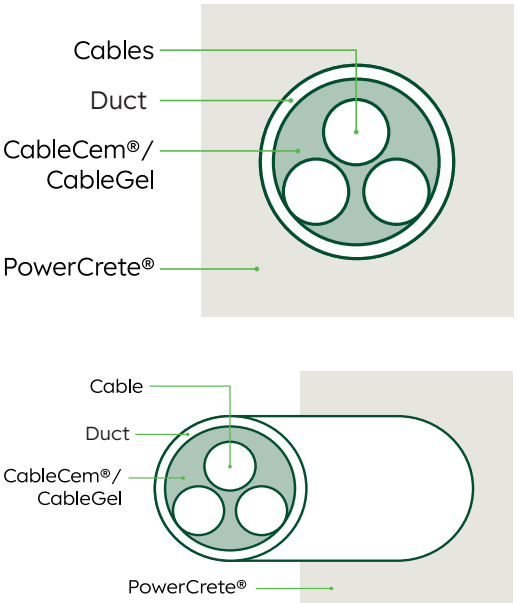
Powering the energy transition with advanced cable bedding and filling solutions

As the demand for renewable energy infrastructure grows, efficient underground cable installation becomes essential to ensure reliable power transmission. One key challenge is managing heat buildup, which can lead to energy losses.

Heidelberg Materials offers a dual solution approach designed to optimise cable performance:

- Engineered bedding materials to enhance heat dissipation and improve transmission capacity
- High-performance filling materials for closed conduit systems

At Heidelberg Materials, we are committed to supporting the energy transition with innovative, sustainable, and efficient solutions tailored to every project.



Power range

Thermally conductive bedding material

PowerSand®
PowerSand is a selected sand ideal for long-distance underground cable routes where future access may be needed, offering stability by accommodating minor ground movements.

PowerSand CBS
PowerSand CBS is a certified, ENA TS 97-1 compliant backfill material designed for underground high-voltage cable installations. Commonly used in rail, energy, and utility projects, it offers excellent thermal conductivity, compacts easily around cables, and helps dissipate heat to reduce electrical resistance.

PowerSand CBS Extra
PowerSand CBS Extra is a high-performance, non-traditional stabilised backfill (as defined in ENA TS 97-1) designed for power cable installations. It offers lower thermal resistivity than traditional CBS and contributes to a reduced carbon footprint, making it a more efficient and sustainable choice.

PowerCrete®
PowerCrete is the high-performance, heat-conducting concrete alternative for bedding and infill in HV and UHV cable installations. It offers superior thermal conductivity, enabling efficient heat dissipation, reduced magnetic field strength, and increased power capacity. Its properties support smaller conductor sizes, the use of aluminium conductors, and help prevent hot-spots, making it a robust upgrade over traditional backfill materials.

Thermally conductive fill material

CableCem
CableCem is a heat-conducting grout designed for jacket tube systems, ideal for filling the space between cables and their protective tubes. With excellent flowability and low thermal resistance, it enhances heat dissipation, reduces capacity loss, and boosts the long-term power performance of HV and UHV cable runs. Available in multiple formulations, CableCem also supports smaller conductor sizes, aluminium conductor use, and helps mitigate hot-spots and magnetic field strength.

CableGel
CableGel is a cement-free solution with a gel-like consistency, making it particularly easy to replace cables when necessary. This versatile product is available in multiple variants, each offering different thermal resistance

Thermal resistivity	
PowerSand	2.7 Km/W
PowerSand CBS	1.2 Km/W
PowerSand CBS Extra	0.75 Km/W
PowerCrete Premix	0.4 Km/W
PowerCrete	0.33 Km/W

	Thermal resistivity	Thermal conductivity
CableCem F 0.4	0.4 Km/W	2.5 W/Km
CableCem F 0.8	0.8 Km/W	1.2 W/Km
CableGel 0.5	0.5 Km/W	2.0 W/Km
CableGel 0.8	0.8 Km/W	1.2 W/Km

evoBUILD

Low carbon concrete

Heidelberg Materials UK offer

Our evoBuild range of low carbon concretes reduce the CO² emissions associated with concrete by at least 30%, measured against Global Cement and Concrete Association (GCCA) benchmarks helping contractors and clients meet their carbon reduction targets.

Benefits:

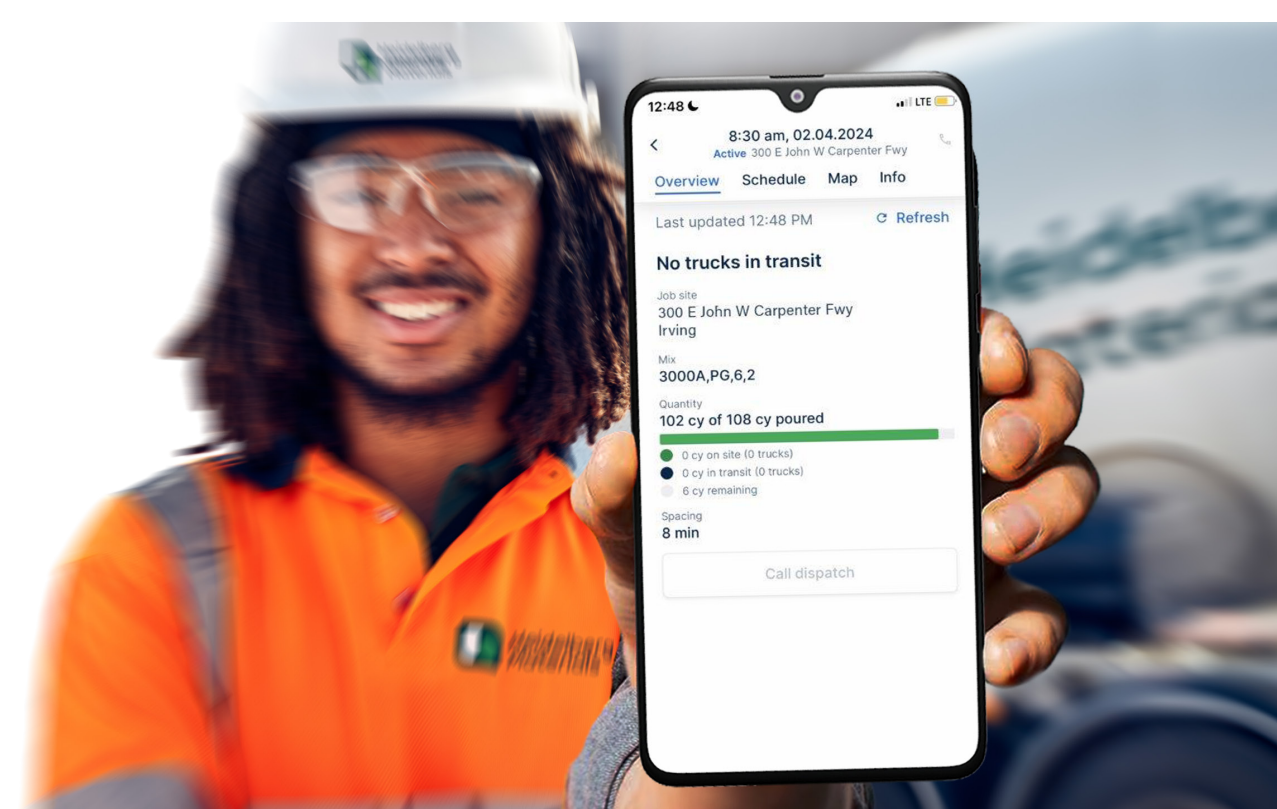
- Reduces the carbon emissions associated with concrete by at least 30%
- Easy to use and place
- Suitable for use in all applications
- Complies with BS 8500 and BS EN 206-1 standards
- Provides increased durability
- Creates concrete with a lighter, more aesthetically pleasing colour
- Available nationwide

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.

0330 123 4535

concrete.technical@heidelbergmaterials.com



Manage and track deliveries with OnSite

Our app for tracking and managing Heidelberg Materials orders and deliveries

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 located throughout the UK. Our experienced technicians regularly visit customer sites to collect test samples and provide expert, on-site technical support. 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 UK 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.

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 21 Supamix plants across the North East, Yorkshire and Cumbria, with expanded availability to Central West and South Central regions coming soon.



Sales team

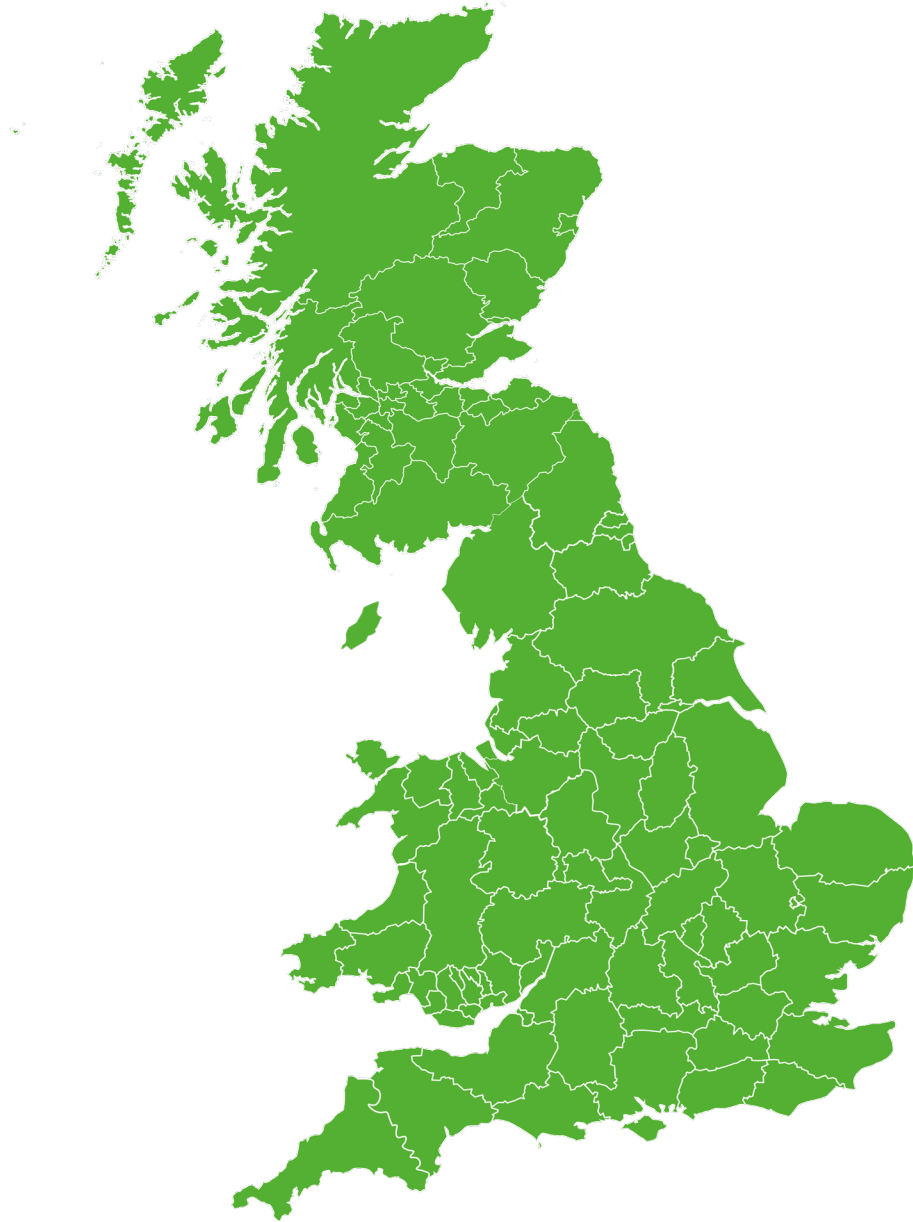
To place an order or discuss your ready-mixed concrete needs, contact your local member of our experienced sales team by visiting our website, or call/email the regional sales offices below.

Region	Telephone	Email address
Scotland	0330 123 4627	concretescotland@uk.heidelbergmaterials.com
North East	0330 123 4628	concretenortheast@uk.heidelbergmaterials.com
North West	0330 123 4629	concretenorthwest@uk.heidelbergmaterials.com
Central West	0330 123 4631	concretecentralwest@uk.heidelbergmaterials.com
Central East	0330 123 4632	concretecentraleast@uk.heidelbergmaterials.com
South West	0330 123 3406	concretesouthwest@uk.heidelbergmaterials.com
South Wales	0330 123 3403	concretesouthwales@uk.heidelbergmaterials.com
South Central	0330 123 4633	concretesouthcentral@uk.heidelbergmaterials.com
South East	0330 123 4634	concretesoutheast@uk.heidelbergmaterials.com
London	0330 123 4635	concretelondon@uk.heidelbergmaterials.com

Heidelberg Materials ready-mixed concrete

Heidelberg Materials operates more than 130 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.



Other concrete solutions from Heidelberg Materials

Like PowerCrete, our other ready-mixed concrete solutions have been specially developed for the civil engineering and construction professional, each with its own unique qualities and characteristics.

Whether you're faced with challenging ground conditions, difficult applications or waterproofing requirements, Heidelberg Materials UK's solutions have the answer.

ColourCrete

A range of coloured concretes that can add a whole new dimension to your project. It can be used wherever conventional concrete is specified and can be colour-matched to blend with the surrounding area or help your project stand out from the crowd.

DuraCrete

A durable, high-performance concrete which can achieve strengths in excess of 100N/mm². The use of microsilica provides a dense structure and gives excellent chemical and abrasion resistance. Duracrete develops its strength very quickly and allows early use. High abrasion resistance means it can withstand heavy trafficking such as loading bays, while impact resistance and durability are also greater than conventional concrete. Duracrete is ideal for use in varied heavy industrial applications including warehouse floors, service yards, scrap yards, waste transfer stations and waste recycling centres.

EasyFill

A highly air-entrained concrete developed for trench reinstatement and void fill applications in various environments. It's a lightweight material produced by incorporating a powerful concentrated air entraining admixture into a base concrete or mortar.

Waterproof concrete

Heidelberg Materials waterproof concrete incorporates a pore-blocking admixture, available in both liquid and powder forms. The powder acts as a combined water-resisting and high-range water-reducing (HRWR) admixture, improving workability and significantly reducing concrete permeability. For construction and movement joints, additional joint sealing systems may be required.

This solution provides integral waterproofing within the concrete mix. It enables high water reduction, which increases the density, durability, and overall strength of the concrete. It also reduces water penetration, even under hydrostatic pressure.

EasyPile

A unique product range that has been specifically formulated for piling concrete. The range consists of a mix specifically designed for CFA structural piling which can be used in all ground conditions but is particularly suitable in difficult areas where there is a high risk of damage to cages. The range also consists of mixes engineered for use in secant pile construction. Heidelberg Materials' EasyPile concrete range offers the ideal solution to many of today's engineering challenges facing the piling and foundation specialist.

evoBuild

Heidelberg Materials has developed a range of evoBuild low carbon concretes to make it easier to specify low carbon concretes and target carbon reduction on all construction projects. evoBuild low carbon concretes offer a CO₂ reduction of at least 30% compared to a fixed Global Cement and Concrete Association (GCCA) reference value¹.

FastTrack

A range of high early-strength concretes which speed up construction by allowing quick release of formwork. It can save time, energy and money by ensuring production deadlines can be met with confidence, reducing the requirement for external heating, reducing production time and increasing productivity.

FibreCrete

A range of polypropylene or steel fibre reinforced concretes, offering benefits in both the fresh and hardened state. When fresh, both bleed and plastic cracking are considerably reduced.

The effect on early age tensile strength during hardening is also beneficial, and after hardening the fibres improve the toughness and general durability. One of its main applications is in pavement and floor slabs where crack control and durability are of particular importance.

¹ The evoBuild reference value is at least 30% CO₂ reduction vs. the global reference values from the Global Cement and Concrete Association (GCCA) for CEM I from 2020, which translates to ≤552 kg CO₂/t cementitious material and ≤ 5.5 kg CO₂/m³/MPa for ready-mixed 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

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