



## **Concrete**

Specialist concrete and screed portfolio

# Aggregate Industries

## An introduction

Aggregate Industries is one of the leading ready-mixed concrete producers in the UK, supplying a full range of quality concrete products to satisfy the needs of the construction industry. Our substantial range of concrete and screeds includes environmental options as well as a number of specialist mixes designed for the most challenging applications and environments. We pride ourselves on understanding our clients and partnering with them to meet both their needs and those of the end user across a range of demanding sectors.

### A national business

Aggregate Industries is an international aggregate, construction and building materials group, based in the UK, who were incorporated into the Swiss Holcim Group in April 2005. The group has leading regional market positions in the UK, as well as operations in the Channel Islands and Norway. We are a major producer and supplier of primary, secondary and recycled construction aggregates, asphalt, ready-mixed concrete and precast concrete products.

The company has a strong reputation among contractors, clients, stockists, and small businesses, for creating a better built environment.

All of this gives us access to a unique set of resources, knowledge and skills and, through them, the ability to select the most appropriate elements for our business that will perfect our service to you.

### Local sensitivity

Our network of production units is capable of supplying projects of all sizes and complexity, with operations strategically placed to be able to reach major centres of population. For larger projects, mobile plants can be utilised to provide the complete onsite solution remote from our fixed plants. Within the M25 area, London is served by our London Concrete business which operates twelve plants in strategic locations across the capital and has been involved in many major projects, including Wembley Stadium, Terminal 5 at Heathrow and the Ascot grandstand redevelopment.

### Easy accessibility

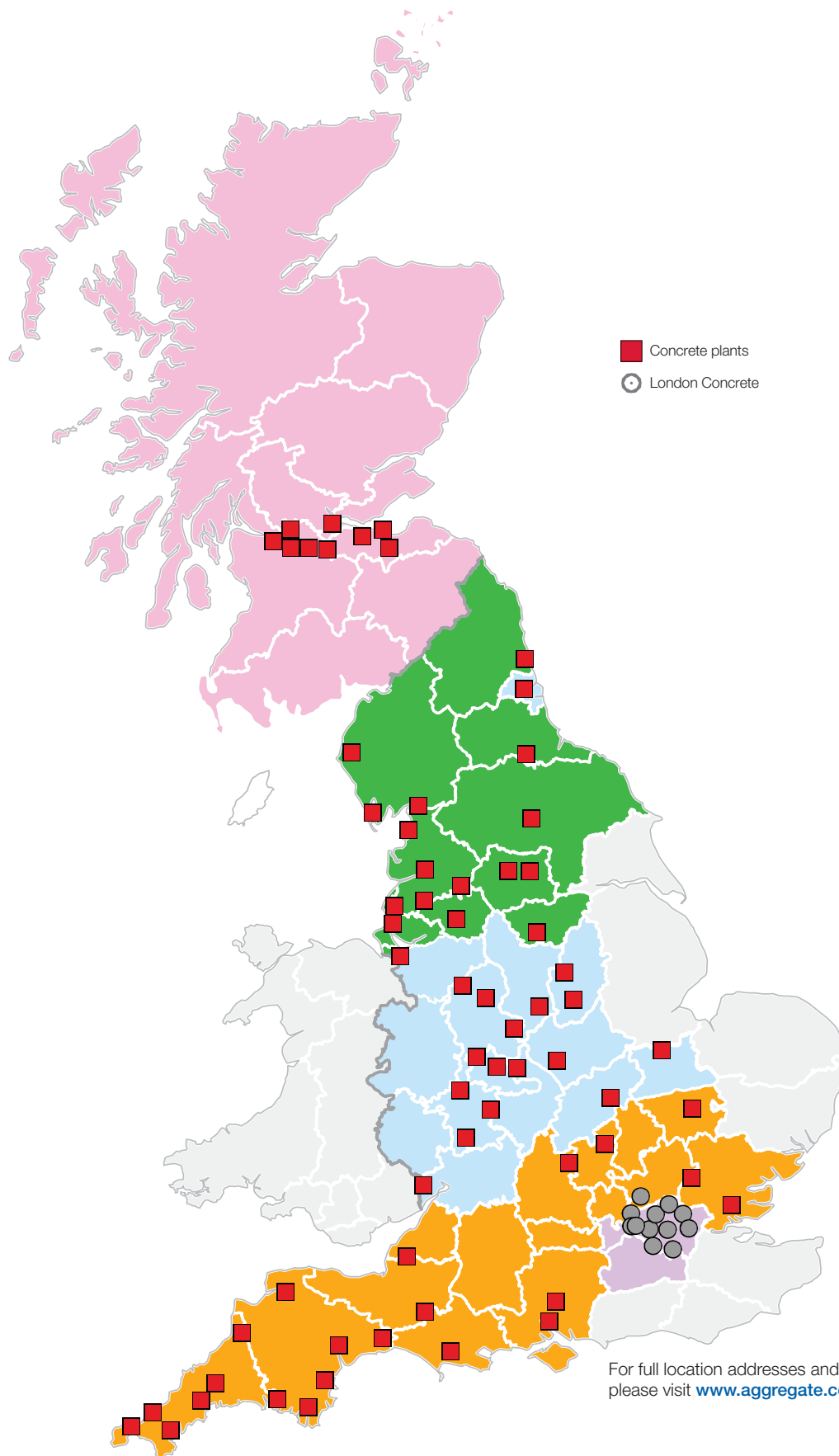
With over 70 concrete operations across the UK, we have the ability to supply projects on time and to specification to meet the requirements of even the most demanding of schemes.

For those smaller loads, our Minimix operations cater for customer collections and deliveries without compromising on customer service and quality assurance.

Purchasing is also made easier through our trading portal, designed to make our products accessible, trackable and recordable to our customers. All trading information is available at your fingertips, anytime and anywhere. Please visit [www.aggregate.com/customerportal](http://www.aggregate.com/customerportal)



## Ready-mixed sites across the UK





# Aggregate Industries

## introduction

### Intelligent resourcefulness

#### Research and development

We benefit from the resources and capabilities of a highly skilled research and development team, based in the UK, with dedicated laboratory facilities looking at bringing together the products from Aggregate Industries with the latest technology and innovation.

There is also no substitute for learning from our clients, and very often we work together to develop solutions to their challenges. Watertight for instance, is a versatile range of specialised ready-mixed concrete designed to protect a structure from water ingress or to retain water within a structure and eliminates the need for membranes or cavity drainage.

The team have successfully brought many new products to market and are the recipients of a number of industry awards.

#### Design and technical guidance

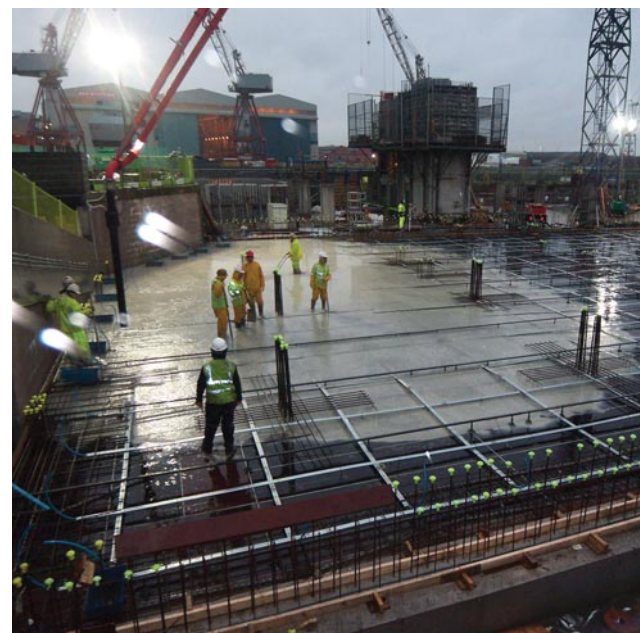
Our customers include the majority of the major construction industry contractors, house builders, and specialist subcontractors. We also work with clients and consulting engineers to provide outstanding technical advice or logistical solutions to their challenges.

We are able to offer the full range of technical services and advice, assisting with everything from the specification of concrete mixes, to the initial design of buildings using concrete, enabling us to value engineer in fitness for purpose, longevity and sustainability and to design out waste and cost.

We also offer demonstration days, product training sessions and technical seminars at your location or in our facilities.

#### Local knowledge and support

Our regionally based technical advisors are able to offer specialist help and guidance on all aspects of our products, including specifications, performance and suitability for applications. This service is provided free of charge. For further information, please refer to our technical services at [concrete@aggregate.com](mailto:concrete@aggregate.com)



## All-round capability

With valuable experience in supplying concrete to commercial, industrial, domestic and infrastructure projects alike, we can demonstrate time and time again how we are capable in delivering best value, fit for purpose solutions to your projects. Coniston is one such scheme.

### Case study: Coniston Water Treatment Works

The water treatment works is halfway up Coniston Old Man mountain in the Lake District National Park. The site is a designated registered ancient monument and the access was via a 3km unpaved steep and winding single track road from Coniston village. Programming of the works was considered vital to the success of the project. The most significant milestone was the completion of the reinforced concrete filter membrane building before December; after that time, winter weather could have prevented work being carried out.

The consortium invited Aggregate Industries to visit the site and the company decided to survey the access road and form a supply plan before committing itself to the job.

After trials with a truck, it reduced the amount of concrete carried in each, limiting the weight and eliminating any chance of spillage. Over 500m<sup>3</sup> was delivered from the Barrow-in-Furness plant with the largest and most difficult pour being 90m<sup>3</sup>; this started at 6am and was completed at 9pm on a wet December night.

Simon Maxwell, site agent for GCAJV, says, "The contract was potentially a logistical nightmare but it was completed successfully as a result of a great team effort. The planning was meticulous throughout and Aggregate Industries plant staff and drivers excelled in their efforts, not only to complete the job but also to protect the local environment."



“The planning was meticulous throughout and Aggregate Industries' plant staff and drivers excelled in their efforts.”

Simon Maxwell, site agent for GCAJV

#### Client:

Galliford-Costain-Atkins Joint Venture for United Utilities

#### Project:

Construction of a filter membrane plant at Paddy End water treatment works that takes water from the Lowes water reservoir near the village of Coniston in Cumbria.

# Aggregate Industries

## introduction

## Responsible in everything we do

As a responsible supplier and manufacturer of concrete and aggregate products, we have been working for more than a decade to create sustainable solutions for all our markets.

### Health and safety

We understand that health and safety is a critical part of our industry - vitally important to you, and vitally important to us. Throughout our business we have established a deeply embedded and responsive health and safety culture, focusing on the single idea that no one's health should be put at risk by what we do.

As a business, we have signed up to industry initiatives designed to drive down all incidents to zero, and we report our progress in our corporate and social responsibility report. (See [www.aggregate.com](http://www.aggregate.com) for details)

### The Responsible Source™

We have been addressing issues such as health and safety, quality control, ethical trading, carbon and water management, biodiversity and social responsibility so that we can offer our customers truly sustainable solutions. This work has culminated in us becoming the first company in the world to be certified to BRE BES 6001 and certified as a responsible source. This means that all of Aggregate Industries' products produced in the UK are certified as coming through an audited chain of custody. Using these products within construction projects where buildings will be registered for BREEAM ratings, or the scheme itself is registered for CEEQUAL attracts maximum potential points and ratings.

Today, all our UK manufactured products are certified as EXCELLENT under the BES 6001 standard.

### Best practice

Aggregate Industries has sustainability at the core of its business strategy. Our approach to sustainable manufacture and construction includes:

- Use of state of the art machinery to maximise energy efficiency with minimal emissions
- Measuring emissions, energy usage and waste as part of our key performance indicators. This has also been adopted by some of our key supply chain partners
- Quality and performance standards - The company is certified to BS EN ISO 9001:2008 and BS EN ISO 14001. We are also a member of the QSRMC (Quality Standard for Ready-Mixed Concrete)
- The use of sustainable alternatives to cement including: pulverised fly ash (PFA), ground granulated blast furnace slag (GGBS), secondary materials include: crushed recycled concrete, aggregates and recycled glass.

It is precisely this sustainable approach to construction that has led to the development of our Life strategy - a brand to encompass the widest range of sustainable product and service solutions from one manufacturer.



Life doesn't just set a precedent, it also sets a standard. Each of the solutions that carry the Life logo meet or exceed at least one of the three benchmarks that we have set in the key areas of:

- **Carbon reduction**  
Must reduce carbon in manufacture or in use by at least 20%
- **Non-primary material content**  
Must contain a minimum of 45% non-primary material based on the entire product mix
- **Water treatment or management within a SUDS solution**  
The management of the quality and quantity of water within a Sustainable Drainage System.

 **20%** reduction in CO<sub>2</sub>

 **45%** non-primary materials

 **Sustainable Drainage Systems**

For more information on our Life products and services visit [www.aggregate.com/life](http://www.aggregate.com/life)

“Aggregate Industries upgraded its BES 6001 Responsible Sourcing certification to 'EXCELLENT', the first ready-mixed business to achieve this status.”



## Case study: PassivHaus, Gloucestershire

Aggregate Industries helped create England's first PassivHaus, featured on the Grand Designs TV programme, by supplying ready-mixed concrete to this exemplarily scheme.

### Brief

Aggregate Industries were contacted to advise on the best concrete mix solution for this privately owned residence designed to meet BRE PassivHaus standard. The strict standard dictates how much energy can be used for heating the building space (not exceeding 15 kWh/m<sup>2</sup>), along with other important criteria such as levels of insulation and airtightness. The client also wanted to use as much recycled and non-primary aggregate as possible in order to minimise the environmental impact of the building's construction.

### Solution

With a long history of environmental scheme solutions to draw upon, we suggested the use of granite stent in the concrete mix. A by-product from the production of china clay in Cornwall, granite stent replaces the use of primary aggregate and consequently reduces the building's environmental impact. We supplied 148m<sup>3</sup> of this specialised C32/40 mix from our Three Counties plant in Upton using 100% recycled/secondary aggregate, PFA cement replacement and 100% recycled water at plant level.

The ready-mixed concrete was complimented by the use of precast panels, which helped achieve the airtightness specification.



**Client:**

Helen & Chris Seymour-Smith

**Architect:**

Seymour-Smith Architects

**Product supplied:**

Concrete

# Aggregate Industries

## introduction

### Best value solutions

Our customers and their clients can benefit from our concrete expertise and guidance in selecting the most appropriate solutions for the task. Our integrated approach means that technical advice and practical logistical solutions encompass the entire project.

#### Customer service

We are constantly working hard to maintain the high levels of customer service that we have established through internal training, customer focus and concrete expertise. This effort has been recognised by the BRMCA (British Ready-Mixed Concrete Association) for three years running.

The company received the industry accolade for the outstanding level of engagement and service offered to Volker Stevin Marine UK at the New Tyne Tunnel project.

Steve Hamilton, North East Area Manager for Aggregate Industries said: "The whole Aggregate Industries team is thrilled to pick up this award for the third year in a row. The competition is always tough and after winning in 2007 for our Coniston Village water upgrade project for United Utilities, as well as in 2008 for our work for Edmund Nuttall at the Queen Street contract in Glasgow, to make it a hat trick is a massive achievement.

"Customer service is at the heart of Aggregate Industries and that means doing what is required to get the job done, to the best possible standard - in this case that involved extensive technical trials as well as weekend, overnight and unusually large pours."

Gerrit Smit, Project Manager at Volker Stevin Marine UK said: "Aggregate Industries was positive from the start concentrating on how they could work with us within such demanding and exacting requirements."

#### Early Contract Involvement (ECI)

We have the ability to deliver real value to any project. Involving the company at early contract involvement stage (ECI) could see us tackle the vitally important areas of saving time on the project, and unnecessary costs. On projects where we have been involved early on, many thousands of pounds have been saved, and challenges that could have led to time overruns, averted.

#### Aggregate Industries, the concrete specialists

From concept to completion, we have the experience and expertise to deliver value added solutions to your project. We have the ability to design bespoke concrete mixes to meet any scheme requirement.

We also supply conventional concrete mixes to any specification and have developed a range of specialist concrete mixes that are all quality assured. Please reference the product summaries in the pathfinder opposite and find more detailed information on the pages that follow.














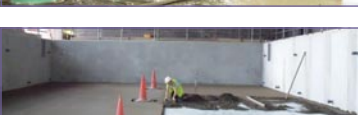


# Concrete

## product pathfinder

www.aggregate.com

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# Concrete products

## Emerald®

### Technical data information

[www.aggregate.com/bardonemerald](http://www.aggregate.com/bardonemerald)

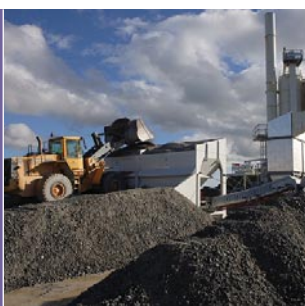


Emerald® is a range of concrete mixes that incorporate materials that are locally sourced where possible including secondary, recycled and reprocessed aggregates in addition to Portland Cement substitutes. Emerald® provides specifiers and contractors a fit-for-purpose concrete solution that has a reduced impact on the environment.

Each product in the Emerald range is made to order ensuring compliance with contract performance specification whilst reducing its impact on the environment. For example, our London Concrete business produces Emerald ready-mixed concrete which uses secondary aggregate to replace the coarse aggregate in the product - representing 55% of the total aggregate. The recycled aggregate content in elements such as pile caps is up to 70% with cementitious content comprising 40% PFA as a cement enhancer. This provides an overall reduction in CO<sub>2</sub> emissions in the order of 70kg/m<sup>3</sup> without compromising durability.

### Key benefits

- Sustainable ready-mixed concrete
- Environmentally friendly offer that scores well under the environmental impact of the materials
- Assist new homes to conform to the Code for Sustainable Homes
- Score well for responsible sourcing (another important criterion for materials selection under the code)
- Deliver a concrete that is classified as 'Excellent' by the BRE Responsibly Sourced Materials Scheme.



**Life™**

**25%** reduction in CO<sub>2</sub>

**47%** non-primary materials

For more information on our Life products and services visit [www.aggregate.com/life](http://www.aggregate.com/life)

\* Based on BRE Mixer Desk calculation.

† Represents non-primary material content within the complete mix design dependent on application.

# Extend™

Technical data information  
www.aggregate.com/extend



Extend™ is a range of low shrinkage concrete designed to reduce joint frequency for both flatwork and structural applications thus offering improved in-service performance and reduced construction costs.

## Key benefits

- Designed to meet individual project needs assuring fitness for purpose and optimisation of material characteristics
- Every material combination has been subjected to long term movement testing
- Maximises structural performance at optimum cost
- Reduction in the build programme and material costs whilst extending the in-service performance of the slab
- Higher early age strength gain can allow loading from 7 days
- Extend will allow accurate calculation of concrete movement thereby reducing construction cost
- Can be formulated to give BS8204 special class abrasion resistance
- Extended joint spacing allows flexibility in racking design
- Can be placed using all standard equipment and techniques.





# Concrete products

## Strike™

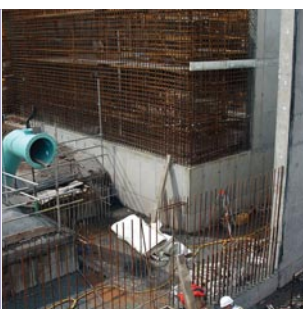
**Technical data information**
[www.aggregate.com/strike](http://www.aggregate.com/strike)


Strike™ is a unique system developed to meet the ever increasing needs of fast-track construction.

Strike is a complete system delivering rapid strength development together with a clear, risk free understanding of the in situ strength of the structural unit. Together, these allow for the early striking of formwork and acceleration of the works, targeting increased productivity and profitability.

### Key benefits

- Designed on a bespoke basis giving you the assurance of fitness for purpose
- Mixes are designed to suit the specific strength gain requirements set by your project program
- Formwork may be struck between 4-24 hours from completion of casting
- Strike gives the opportunity to significantly reduce the average casting cycle time
- Strike is designed for ease of placing and finishing and may be placed by all conventional methods
- Striking time may be supported by the Strike Now digital remote sensing system unique to Aggregate Industries
- Backed by our unrivalled customer service record, Strike is available from all our UK operations.



# Cemflow®

**Technical data information**
[www.aggregate.com/cemflow](http://www.aggregate.com/cemflow)


Cemflow® is a range of highly specialised self compacting concrete formulations unique to Aggregate Industries, each presenting significant advantages over the equivalent traditional concrete.

## Cemflow A

An architectural grade for very high quality finishes

## Cemflow H

Intended for flooring applications and other horizontal slabs

## Cemflow V

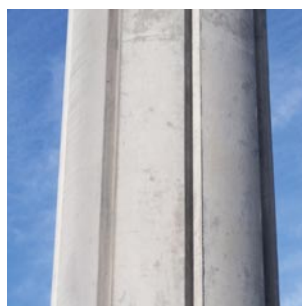
A general purpose grade intended for use in framed and general construction

## Cemflow F

For use in all foundation applications where access is restricted.

## Key benefits

- High quality finishes
- Reduced or eliminated remedial work
- Reduced labour requirements
- Improved output in precast environments
- Reduction in site noise levels
- Flexible placing options
- Reductions of placing and finishing time
- Cost savings
- Elimination of “vibration white finger” risk
- The potential to eliminate late working and finishing.





# Concrete products

## Diamondcrete®

### Technical data information

[www.aggregate.com/diamondcrete](http://www.aggregate.com/diamondcrete)



Diamondcrete provides you with a high performance ready-mix concrete, securing fast track solutions to many of the more challenging aspects of construction such as:

Product	Attribute
Diamondcrete RA	Rapid access
Diamondcrete DP	Durable Paving
Diamondcrete AE	Chemical resistance
Diamondcrete RD	Rapid drying
Diamondcrete HT	Heat resistance
Diamondcrete WR	High abrasion resistance

### Key benefits

- Very low permeability providing enhanced resistance to chloride ion penetration and aggressive substances such as sulphates or acids
- High early strength, 28 day characteristic in 24 hours
- Very rapid access, full set in 2 hours and up to 35N/mm<sup>2</sup> after 8 hours
- High volume stability reduced shrinkage
- High flexural strength permitting reduction in section thickness when compared to traditional concrete
- High mix cohesion enables pumping of low cement content concretes
- Earlier access for power float operations
- Low water cement ratio leading to rapid drying allowing application of vapour permeable membranes i.e. resins and vinyls in a fraction of the time.





## Case study: A1 Alleredene Bridge, Gateshead

Diamondcrete® RD facilitated the early completion of this corroded bridge in a safe and cost effective manner.

### Brief

Following assessment of the bridge it was determined that localised corrosion of the embedded steel had taken place within the bridge deck to the south bound carriageway. Balfour Beatty were contracted to remove the existing wearing course and waterproofing system and breakout areas to the deck identified to have suffered corrosion and make good. The A1 is a heavily trafficked section of trunk road therefore construction programming and disruption to road users had to be kept to a minimum.

### Solution

Balfour Beatty had two options open to them, a rapid cure bagged mortar system that was both labour intensive and costly or bespoke rapid drying concrete designed to allow early application of vapour sensitive waterproofing. Diamondcrete RD was trialed prior to commencement of works onsite where a mock up section was cast. Testing for residual moisture content and strength followed indicating that the waterproofing systems could be installed after 3 days of curing.

### Results

Diamondcrete RD facilitated the early completion of the works in a safe and cost effective manner with reduced manpower and plant ensuring less disruption to road users.



**Site:**

A1 Alleredene Bridge Gateshead

**Client:**

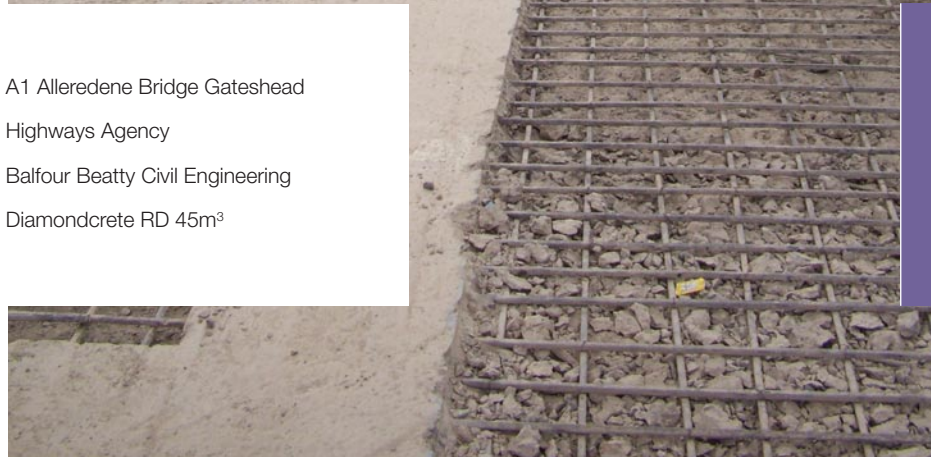
Highways Agency

**Contractor:**

Balfour Beatty Civil Engineering

**Products supplied:**

Diamondcrete RD 45m³



# Concrete products

## Watertight™

### Technical data information

[www.aggregate.com/watertight](http://www.aggregate.com/watertight)



Watertight™ is a versatile range of specialised ready-mixed concretes designed to protect a structure from water ingress or to retain water within a structure. When compared to traditional methods of achieving watertight structures Watertight™ offers contractors and specifiers the competitive edge in both cost and time savings.

Watertight provides a fast track solution over traditional methods of construction such as external membranes or cavity drainage. With Watertight water is prevented from flowing into or from a structure and eliminates the need for the time consuming installation of complicated and detailed jointing.

The Watertight range encompasses the full scope of admixture driven solutions and upon request can be supplied with a manufacturers warranty giving you the confidence to specify and use a unique product.

### Key benefits

- Fully compliant with BS 8102 type B construction
- Reduces installation time
- Is not sensitive to weather conditions unlike membrane solutions
- Available as a pumpable or flowing mix in slump and flow grades
- Reduces installation cost.





# Hydracrete®

Technical data information  
www.aggregate.com/hydracrete



Hydracrete® is a modified ready-mixed concrete designed for placement into still or moving water with minimal washout. The concrete has a high workability requiring no compactive effort once installed, ideal for use in difficult access or demanding applications. The concrete is traditionally placed by pump or tremmie pipe direct to the point of discharge.

## Key benefits

- Prevents washout and segregation of the concrete mix
- Cost saving over conventional products due to increased durability
- Almost immediate stiffening after placement
- Can be placed in tidal / static / running conditions
- High workability
- No bleeding
- Can be easily placed or pumped to the project
- Very cohesive therefore provides strength and protection to the structure
- Minimises the impact to the surrounding flora and fauna environments
- Little or no effect to the water cement ratio.





# Concrete products

## Highpave®

Technical data information  
www.aggregate.com/highpave



Highpave® is a range of fibre reinforced pavement grade ready-mixed concrete that reduce the errors associated with the use of conventional reinforcing methods.

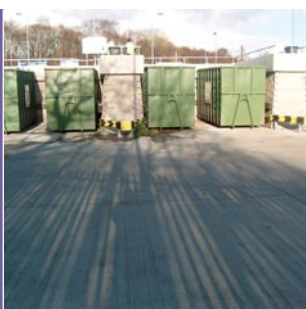
Where your critical path includes paving, Highpave is available in a high performance grade that will achieve the required compressive strength in as little as 24 hours offering considerable savings in programme.

Highpave provides you with a high performance, secure fast track solution to many of the more challenging aspects of construction such as:

Product	Attribute
Highpave RA	Rapid access
Highpave WR	High abrasion resistance
Highpave HS	High strength requirement
Highpave HPC	High durability
Highpave LS	Low shrinkage

### Key benefits

- Unparalleled ease of pavement construction
- Very rapid access, full set in 2 hours and up to 35N/mm<sup>2</sup> after 8 hours
- High volume stability reduced shrinkage
- Superior toughness when subjected to mechanical forces and plant
- Possible reductions in section, subject to design when compared to traditional concrete
- Certainty of reinforcement location
- Possible savings over conventional steel mesh reinforcement
- Reduction in joints through larger panel construction.



# ICF-Crete®

Technical data information  
www.aggregate.com/icfcrete



Widely used in the USA, Canada and Continental Europe, ICF (Insulating Concrete Formwork) is a relatively new UK building technique which involves a series of hollow expanded polystyrene blocks into which ICF-Crete® is poured. The system combines the inherent strength of concrete with the excellent thermal insulation properties of polystyrene to produce cost effective and durable structures.

## Key benefits

- Provides a sustainable walling element with Green Guide ratings of A+ and A dependant on walling thickness and finishes
- Can be designed to include recycled or secondary aggregate
- Enables quick build of watertight shells
- Systems are highly air tight improving comfort and reducing heat loss
- Acoustic performance easily exceeds the requirements of building regulations
- High structural integrity for better resistance to forces of nature
- Reduces HVAC operating costs by 30%-70%
- No vertical heat loss through ICF party walls.





# Concrete products

## High Rise-Crete®

### Technical data information

[www.aggregate.com/highrisecrete](http://www.aggregate.com/highrisecrete)



High Rise-Crete® is the high strength, high performance, cost efficient concrete alternative to the constraints of steel construction. Sophisticated structures having minimal environmental impact can be achieved using High Rise-Crete®.

### Key benefits

- Has a carbon efficient structure developed for environmental suitability as well as performance
- Is designed to enable placement by pump based on our experience of pumping concrete as high as 40+ floors in one pass
- Has a high thermal mass reducing the requirement for energy intensive, high maintenance air conditioning
- Has good acoustic performance
- Is completely non-combustable and has a slow rate of heat transfer, making it a highly effective barrier to the spread of fire
- Can be coloured to match project colour schemes
- Can be designed to be self compacting.





## Case study: The Shard development, London

Destined to be the tallest building in Europe, The Shard is a new development that is designed to incorporate offices, a hotel and housing. It will become a 24 hour a day, 365 days a year living community.

London Concrete has supplied ready-mixed concrete to the project, including 5,460 m<sup>3</sup> in a single pour for the huge raft foundation.

### Brief

Saving time onsite has been one of the key elements of this project, with the building's substructure and superstructure both being worked on simultaneously. However, the raft foundation work had to be added with a massive pour of 5,460m<sup>3</sup> to create a raft of approximately 50m x 60m and up to 3m deep in places. Logistical problems, as well as potential

cracking and shrinkage caused by heat build up during the curing process of such a large pour, had to be addressed.

### Solution

London Concrete was able to call upon four concrete plants to service the pour. Although this was more than necessary, it meant that should there be a failure, then the work would not be affected.

The job was also scheduled for a weekend to avoid traffic and concrete mixer trucks from the four plants gathered at a muster point prior to having their loads checked before their final journey to the site.

The mix design for the ready-mixed concrete was also crucial. Temperature differentials were avoided as the mix utilised ground granulated blastfurnace slag (GGBS), as an ordinary Portland Cement replacement. As this mix doesn't attain full strength until 56 days, then it was modified to make sure enough strength was available at 14 days for work to proceed. As the ready-mixed concrete needed to flow around the tightly packed reinforcement bars at the base of The Shard, plasticisers, retarders, and other additives were added to the mix.

The next stages of construction have seen the use of self compacting ready-mixed concrete pumped bottom up into shuttering, creating walls connecting the foundation slab to the bottom of the building core.



Client:	Stellar Properties
Architect:	Renzo Piano Building Workshop
Main contractor:	Mace
Concrete subcontractor:	Byrne Brothers
Products supplied:	5,500m <sup>3</sup> ready-mixed concrete over 32 hours

# Screed products

## Highflow™ S

Technical data information  
www.aggregate.com/highflows



Highflow™ S provides you with a high performance fast track solution to the construction of screeded floors.

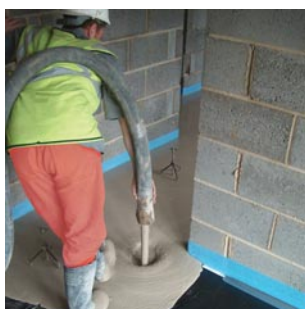
The unique formulation, developed by Aggregate Industries presents significant advantages over traditional flooring screeds in terms of speed of application, increased accuracy of placement, possible reduction in thickness and thanks to outputs up to 10 times greater than conventional screed, significant cost saving to your project.

It has high impact resistance and readily achieves the requirements for category A floors.

The product is based on Alpha Hemi Hydrate or Anhydrite and is distinguished by a number of special technical properties.

### Key benefits

- High early strength
- High volume stability, no curling or lifting
- Ability to lay large areas without joints
- Reduction in thickness when compared to traditional methods
- High placing rates and construction progress
- Freedom from the need to use reinforcement below ceramic finishes
- Quicker access for follow on trades.



**Life™**

**92%\*** reduction in CO<sub>2</sub>

For more information on our Life products and services visit [www.aggregate.com/life](http://www.aggregate.com/life)

\* A standard fibre screed contains 20.3kg CO<sub>2</sub> per m<sup>2</sup> compared to Highflow® S which contains only 1.4kg CO<sub>2</sub> per m<sup>2</sup>.



# Screed

Technical data information  
www.aggregate.com/screed



A range of cement bound products produced under factory conditions and available in a range of grades from C5 to C30.

The types available include:

Product	Attribute
Screed S	Conventional sand cement screed
F Screed	Fibrous screed
ES Screed	Early strength screed
EF Screed	Early strength fibrous screed
SBR Screed	SBR rubber toughened screed

Our range is not limited and bespoke designs dedicated to your project are possible, please contact our Technical Services Department at [concrete@aggregate.com](mailto:concrete@aggregate.com).

### Key benefits

- Complies with the requirements of BS EN 13813
- Factory produced to ensure optimum cement dispersion
- Many types are available in retarded form providing up to 12 hours working time, other times may be specified
- Optimised water content to ensure ease of compaction
- Can be pumped using air transport pumps
- No need to mix onsite
- Available in any load size from 10 tonnes, smaller loads by arrangement.







Aggregate Industries deals with commercial scale concrete production as well as having a number of businesses that are able to service smaller and niche areas.

## London Concrete

London Concrete are the leading ready-mixed concrete supplier in the Greater London area, supplying a full range of quality concrete products to satisfy the needs of the construction industry in the capital.

The range of concrete and screeds includes environmental options as well as a number of specialist mixes designed for the most challenging application or environment. We operate a network of ten plants strategically located to provide an excellent service.

## Minimix

Fast, efficient supplying small loads of ready-mixed concrete in the UK and Scotland.

Supported through a national network of plants across England, Scotland and Wales we deliver small quantities (up to 4m<sup>3</sup> throughout England and Wales, and up to 3.5m<sup>3</sup> in Scotland) of ready-mixed concrete, flowing concrete and flowing screed that are used in DIY, commercial and agricultural applications.





# Aggregate Industries

## the complete service

Aggregate Industries is a leading player in the construction industry.  
We produce and supply a wide range of construction materials including:



### Aggregates

We supply crushed rock, sand and gravel, stone and fill materials for construction. These can be delivered by road, rail or marine transport. We also produce silica and specialist sands.

**Tel:** 01455 285200

**Email:** aggregates@aggregate.com



### Concrete

We offer a complete range of ready-mixed concretes and screeds, operating from over 70 sites. We also have an operation that caters for smaller collect loads

**Tel:** 01283 714187

**Email:** concrete@aggregate.com



### Asphalt

We are a leading supplier of a full range of coated materials with over 40 locations in the UK, serving major contrubations, including sites for collect business.

**Tel:** 0844 557 8396

**Email:** asphalt@aggregate.com



### Contracting

We strengthen our construction materials portfolio through our involvement in infrastructure, surfacing and civil contracting works.

**Tel:** 01530 510066

**Email:** contracting@aggregate.com

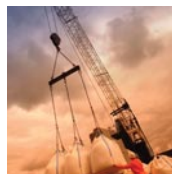


### Commercial landscaping

Flag paving, block paving and kerb products are available in both concrete and natural stone. Surface water drainage products are also part of a wide ranging portfolio.

**Tel:** 01335 372222

**Email:** landscaping@aggregate.com



### Cementitious

We import grey and white cement from Northern Europe and supply Fly Ash to ready-mixed, precast, mortar, screed and render companies.

**Tel:** 01530 512000

**Email:** cementitious@aggregate.com



### Building products

We produce decorative masonry building blocks, reconstructed stone walling, architectural cast stone dressings and roofing slates.

**Tel:** 01285 646884

**Email:** Building.products@aggregate.com



### Garden landscaping

Bradstone is one of the UK's leading ranges of natural and reconstituted stone paving, walling, edging and coping, block paving and decorative aggregates.

**Tel:** 01335 372222

**Email:** Bradstone.garden@aggregate.com



**Scottish region**  
**Midlands and North region**  
**South region**  
**London Concrete**

Duntilland sales office  
Barton under Needwood sales office  
Plymouth sales office  
Sales office

Tel: 01698 870947 Fax: 01698 870637  
Tel: 01283 714187 Fax: 01283 712084  
Tel: 01752 485201 Fax: 01752 408378  
Tel: 0208 380 7300 Fax: 0208 380 7301

[www.aggregate.com](http://www.aggregate.com)

