

# PERFORMANCE CONCRETES

**BESPOKE CONCRETE SOLUTIONS  
FOR EVERYDAY CONSTRUCTION**





## BREEDON IS A LEADING CONSTRUCTION MATERIALS GROUP IN GREAT BRITAIN AND IRELAND.

We have a national network of over 200 ready-mixed concrete plants in GB, from the South Coast to the Scottish Highlands and from West Wales to East Anglia. We supply more concrete than any other independent company.

Many of our concrete plants obtain their aggregates from our own quarries. Much of the cement comes from our Hope Works in Derbyshire, the largest of its kind in the UK and renowned for the quality and consistency of its product.

Everything we do is supported by a dedicated team of local technical specialists, ensuring that all our concretes are quality-assured.



# PERFORMANCE CONCRETES

Alongside our standard quality-assured mixes, we offer a range of high-performance concretes designed to meet the specific needs of your construction project.

As the UK's largest independent construction materials group, we use our comprehensive industry knowledge and technical know-how to ensure that all our specialist concrete solutions are expertly designed to exceed customer expectations.

We have on-going research and development, with dedicated teams improving and innovating, to ensure the best possible solutions are available for our customers.

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## BREEDON Titan™

### A RANGE OF HIGH-PERFORMANCE READY-MIXED CONCRETES



#### PRODUCT DESCRIPTION

BREEDON Titan™ is a range of high-performance ready-mixed concretes offering clients, specifiers and contractors solutions to a wide variety of construction requirements – abrasion resistance, wear resistance and durability.

#### USES

- Aggressive environments requiring high levels of performance
- Waste transfer stations
- Heavy industry applications
- Slabs requiring high abrasion resistance
- Heat resisting applications
- Underwater and tidal locations
- Chemical works
- Milking parlours

#### BENEFITS

- High impact and abrasion resistance
- Low permeability
- Outperforms standard concrete, resisting extreme temperatures, deicing salts, seawater, chemicals and acid attack
- Rapid strength gain reduces construction times and cost

#### SPECIFICATION OVERVIEW

Supplied bespoke to the end application, the in-situ compressive strength of BREEDON Titan™ is much higher than conventional concrete, typically achieving:

Up to 30N/mm<sup>2</sup> at 24 hours

Very high strengths up to 100N/mm<sup>2</sup> can be achieved

Workability generally S3/120mm

## BREEDON Aquatight®

### A RANGE OF HIGH-PERFORMANCE WATERPROOF CONCRETES



#### PRODUCT DESCRIPTION

BREEDON Aquatight® is a range of high-performance ready-mixed waterproof concretes designed specifically for structures that require efficient waterproofing to keep water in or out, as required.

#### USES

- Basements and cellars
- Swimming pools
- Lift pits
- Underground structures
- Waterside buildings
- Reservoirs and liquid storage tanks

#### BENEFITS

- May eliminate the need for external membranes
- Low permeability
- Increased durability
- Cost-effective
- Time-saving

#### SPECIFICATION OVERVIEW

Bespoke to customer application. Please contact your local customer service centre to discuss requirements.

## BREEDON Agricrete™

### A RANGE OF HIGH-PERFORMANCE CONCRETES SPECIFICALLY DESIGNED FOR AGRICULTURAL PURPOSES



#### PRODUCT DESCRIPTION

BREEDON Agricrete™ is a range of high-performance concretes specifically designed to withstand aggressive agricultural environments.

#### USES

- External paving
- Silage clamps
- Animal housing
- Stables
- Milking parlours
- Workshop floors
- Crop storage

#### BENEFITS

- Higher durability when compared with standard concretes
- Carefully designed to meet the requirements of the end use application

#### SPECIFICATION OVERVIEW

Bespoke to customer application. Please contact your local customer service centre to discuss requirements.

## BREEDON Fibreforce®

### A RANGE OF HIGH-PERFORMANCE FIBRE-REINFORCED CONCRETES



#### PRODUCT DESCRIPTION

BREEDON Fibreforce® is a range of high-performance fibre-reinforced concretes providing an alternative to conventional steel reinforcement.

#### USES

- Industrial/commercial slabs and overlays
- Composite flooring/metal decks
- Pavements (airports, parking areas and overlays)
- Shotcrete (swimming pools)
- Tunnels

#### BENEFITS

- Quicker and easier to place than conventional steel mesh systems
- Reduced labour, construction times and costs
- Reduced carbon footprint
- Improved impact and abrasion resistance
- Slab thickness can be reduced
- Potential to increase bay sizes
- Reduces storage requirements
- Health and safety benefits
- Reduces wastage

#### SPECIFICATION OVERVIEW

For added peace of mind, BREEDON Fibreforce® is customised to customer applications. Please contact your local customer service centre to discuss requirements.

## BREEDON Housecrete®

### A RANGE OF HIGH-PERFORMANCE CONCRETES FOR ALL HOUSING APPLICATIONS



#### PRODUCT DESCRIPTION

BREEDON Housecrete® is a suite of products skillfully designed from customer feedback, to surpass standard concretes for all housing applications.

#### USES

- Foundations
- Walls
- Columns
- Floors
- External paving

#### BENEFITS

- Simplified ordering process using material description
- Bespoke design specific to end use
- Expertly produced to achieve design requirements
- Reduced labour time
- Cost-effective

#### SPECIFICATION OVERVIEW

Bespoke to customer application. Please contact your local customer service centre to discuss requirements.

## BREEDON Industrial®

### A RANGE OF HIGH-PERFORMANCE CONCRETES SPECIFICALLY DESIGNED FOR INDUSTRIAL APPLICATIONS



#### PRODUCT DESCRIPTION

BREEDON Industrial® is a portfolio of concrete products designed to exceed the performance of standard concretes when used in industrial applications.

#### USES

- Internal and external slabs and overlays
- Composite flooring and metal decks
- Heavily trafficked pavements

#### BENEFITS

- Simplified ordering process using material description
- High impact and abrasion resistance
- Low shrinkage
- May permit joint spacing and thickness alterations
- Expertly manufactured to achieve design requirements
- Rapid strength gain enabling early trafficking
- Reduced labour time
- Cost-effective

#### SPECIFICATION OVERVIEW

Bespoke to customer application. Please contact your local customer service centre to discuss requirements.

## BREEDON Rapidcrete™

**A PERFORMANCE CONCRETE  
DESIGNED TO ACHIEVE RAPID  
STRENGTH GAIN**



### PRODUCT DESCRIPTION

BREEDON Rapidcrete™ is a high-performance concrete expertly designed to achieve rapid strength gain, reducing construction times and improving site efficiency.

### USES

- Applications requiring high early strength
- Structural repairs
- Internal/external ground areas requiring early access
- Tidal construction

### BENEFITS

- High early strength gain
- Faster curing time
- Early access
- Can take light traffic after 24 hours
- Enables fast-track construction

### SPECIFICATION OVERVIEW

Can be used for many different applications. When ordering BREEDON Rapidcrete™, the following should be considered:

- End use
- Workability required
- Curing time needed for access

Typical compressive strengths at 24 hours up to 30N/mm<sup>2</sup>, and up to 40N/mm<sup>2</sup> at 36 hours.

Supplied bespoke to customer application. Please contact your local customer service centre to discuss requirements.

## BREEDON Eco™

**A RANGE OF HIGH-PERFORMANCE  
SUSTAINABLE CONCRETES**



### PRODUCT DESCRIPTION

BREEDON Eco™ is a range of high-performance sustainable concretes that are designed to reduce the impact on the environment. Our range of lower-carbon concretes offer the same high standards and levels of performance to help our customers meet the ever increasing demand for responsibly sourced materials, achieve BREEAM credits and meet guidance set out by documents such as the 'Code for Sustainable Homes'.

### USES

BREEDON Eco™ concrete can be used for most applications.

### BENEFITS

- Lower embodied CO<sub>2</sub>
- Responsible sourcing
- BREEAM credits

### SPECIFICATION OVERVIEW

Please contact your local customer service centre to discuss requirements.

## BREEDON Foam™

**A FOAMED CONCRETE  
DESIGNED FOR VOID-FILL  
AND TRENCH REINSTATEMENT**



### PRODUCT DESCRIPTION

BREEDON Foam™ is a lightweight, free flowing, foamed concrete which has been specifically developed as an ideal trench reinstatement material to comply with the recommendations of the HAUC (Highway Authorities & Utilities Committee) legislation.

Simply poured into the excavation to the required level, BREEDON Foam™ requires no compaction and restores lateral support to any adjacent services. The surface is struck off and the backfill is then complete. A wearing course can generally be laid within 24 hours.

### USES

- Void fill
- Cavities
- Pipe infill
- Tank infill
- Swimming pool surround
- Trench reinstatements
- HAUC reinstatements

### BENEFITS

- Reduced labour
- Fast construction
- Thermal insulation
- Lightweight
- Stabilisation of trenches
- Can be used temporarily and re-excavated if necessary
- No compaction

### SPECIFICATION OVERVIEW

Strength can be varied to suit end application but typically 4N/mm<sup>2</sup> at 28 days. Densities can be designed to suit requirements. The material is a self levelling concrete with no compaction required.



# BREEDONFlow®

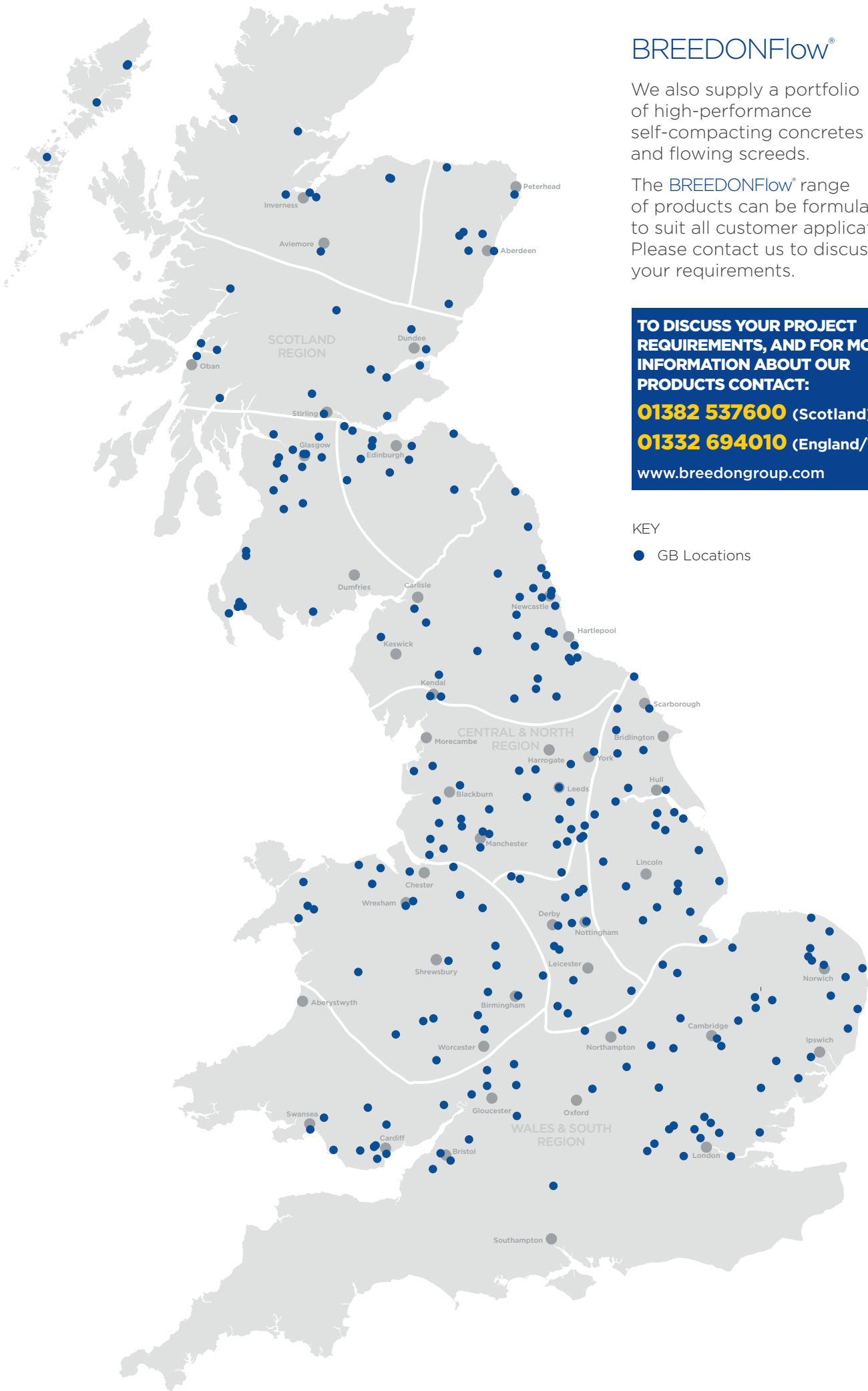
We also supply a portfolio of high-performance self-compacting concretes and flowing screeds.

The BREEDONFlow® range of products can be formulated to suit all customer applications. Please contact us to discuss your requirements.

**TO DISCUSS YOUR PROJECT REQUIREMENTS, AND FOR MORE INFORMATION ABOUT OUR PRODUCTS CONTACT:**  
**01382 537600** (Scotland)  
**01332 694010** (England/Wales)  
[www.breedongroup.com](http://www.breedongroup.com)

KEY

- GB Locations





For more information about our performance concretes contact

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