

BREEDONFlow®

**SELF-COMPACTING CONCRETES
AND FLOWING SCREEDS**



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.

BREEDONFlow® A PORTFOLIO OF HIGH-PERFORMANCE, SELF-COMPACTING CONCRETES AND FLOWING SCREEDS.

BREEDONFlow® Form

An all-purpose, self-compacting concrete for use in framed and general construction 4

BREEDONFlow® Foundation

Self-compacting concrete for use in all foundation applications 4

BREEDONFlow® Finish

Self-compacting concrete for high-quality finish horizontal slab applications 5

BREEDONFlow® Fine

An architectural grade self-compacting concrete for very high-quality finishes 5

BREEDONFlow® Precast

Self-compacting concrete designed for all aspects of precast work, high-quality finish and early strengths 5

BREEDONFlow® Gypscreeed

A self-compacting, free-flowing floor screed 6

BREEDONFlow® Swiftscreed

A free-flowing cementitious screed suitable for most flooring applications 6

**THE BREEDONFlow®
PRODUCT SET HAS
BEEN DESIGNED BY
THE BREEDON GROUP,
THE LARGEST INDEPENDENT
SUPPLIER TO THE UK
CONSTRUCTION INDUSTRY.**

**OUR PRODUCT
DEVELOPMENT STRATEGY
IS CUSTOMER-CENTRIC
AND WE HAVE
COMPREHENSIVE INDUSTRY
KNOWLEDGE AND
TECHNICAL KNOW-HOW
TO ENSURE THAT
THE RESULTING SOLUTIONS
ARE EXPERTLY DESIGNED
TO EXCEED CUSTOMER
EXPECTATIONS.**

BREEDONFlow® Form

AN ALL-PURPOSE, SELF-COMPACTING CONCRETE FOR USE IN FRAMED AND GENERAL CONSTRUCTION



PRODUCT DESCRIPTION

Renowned for its ease of use, the quality finish that can be attained with BREEDONFlow® Form concrete makes it suitable for all general construction purposes. Its unique fluidity completely fills areas with complex access and intricate formwork. The need for vibrating and compacting is negated, making this multi-purpose material simple and fast to deploy.

USES

- Congested reinforcement
- Domestic floors
- Slabs
- Structural toppings
- Intricate formwork
- Commercial slabs, including deck construction

BENEFITS

- High workability
- No need for traditional placing and finishing
- Matched to customer strength requirements
- Speed of placement
- Helps attain a quality finish
- Versatile – can be placed by chute, skip or pump
- Can be allowed to flow horizontally for up to 10m - impossible with conventional concrete
- Can be used with congested reinforcement, complex formwork or poor access
- Eliminating the need for vibrating equipment and reducing labour improves health and safety conditions
- Reduced labour requirements and shorter placing times improves productivity.

SPECIFICATION OVERVIEW

Workability retention typically 2 hours. Mix is expertly designed to meet the specific application. Please contact your local customer service centre to discuss requirements.

BREEDONFlow® Foundation

SELF-COMPACTING CONCRETE FOR USE IN ALL FOUNDATION APPLICATIONS



PRODUCT DESCRIPTION

This premium quality concrete is designed to flow around all types of trenches to fill all trench voids and intersections. The self-compacting properties of BREEDONFlow® Foundation enables deployment to be quicker, safer and simpler than conventional concrete, and is cost-effective on small and large scale projects.

USES

- Commercial foundations
- Domestic foundations
- Trench applications

BENEFITS

- High workability
- Excellent segregation resistance
- No vibration or compacting needed
- Matched to customer strength requirements
- Speed and ease of use
- Versatile - can be placed by chute, skip or pump
- Can be allowed to flow horizontally for up to 10m - impossible with conventional concrete
- Can be used with congested reinforcement or poor access
- Eliminating the need for vibrating equipment and reducing labour improves health and safety conditions
- Reduced labour requirements and shorter placing times improves productivity

SPECIFICATION OVERVIEW

Workability retention typically 2 hours. Supplied to customer requirements. Please contact your local customer service centre to discuss.

BREEDONFlow® Finish

SELF-COMPACTING CONCRETE FOR HIGH-QUALITY FINISH HORIZONTAL SLAB APPLICATIONS



PRODUCT DESCRIPTION

BREEDONFlow® Finish significantly reduces the effort of laying slabs and floors. This superior performance product flows gently into position with no need to undertake time-consuming and costly compacting processes. This product has been expertly designed to achieve a high-quality finish.

USES

- Slabs
- Structural toppings
- Domestic floors
- Commercial slabs, including deck construction

BENEFITS

- Provides a high-quality finish
- Excellent flowability and segregation resistance
- No vibration or compacting needed
- Can remove the need for power floating
- Matched to customer strength requirements
- Speed and ease of use
- Versatile - can be placed by chute, skip or pump
- Can be allowed to flow horizontally for up to 10m - impossible with conventional concrete
- Can be used with congested reinforcement, complex formwork or poor access
- Eliminating the need for vibrating equipment and reducing labour improves health and safety conditions
- Reduced labour requirements and shorter placing times improves productivity

SPECIFICATION OVERVIEW

Workability retention typically 2 hours. Minimum thickness 75mm. Please contact your local customer service centre to discuss requirements.

BREEDONFlow® Fine

AN ARCHITECTURAL GRADE SELF-COMPACTING CONCRETE FOR VERY HIGH-QUALITY FINISHES



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PRODUCT DESCRIPTION

This high fluid performance concrete has design properties that can be uniquely tailored to the client's placing techniques and strength requirements. The self-compacting product will intelligently align to the underlying formwork to match the design precisely. BREEDONFlow® Fine delivers a first-class finish typically required by design architects.

USES

- Decorative finishes requiring high detail
- Bespoke finishes
- Walls
- Columns
- All types of building with vertical construction

BENEFITS

- Provides a high-quality finish
- Excellent flowability and segregation resistance
- No vibration or compacting needed
- Matched to customer strength requirements
- Speed and ease of use
- Versatile - can be placed by chute, skip or pump
- Can be allowed to flow horizontally for up to 10m - impossible with conventional concrete
- Can be used with congested reinforcement, complex formwork or poor access
- Eliminating the need for vibrating equipment and reducing labour improves health and safety conditions
- Reduced labour requirements and shorter placing times improves productivity

SPECIFICATION OVERVIEW

Workability retention typically 2 hours. Please contact your local customer service centre to discuss necessary requirements.

BREEDONFlow® Precast

SELF-COMPACTING CONCRETE DESIGNED FOR ALL ASPECTS OF PRECAST WORK, HIGH-QUALITY FINISH AND EARLY STRENGTHS



© iStockphoto.com/ Parniya Romeo

PRODUCT DESCRIPTION

This is a highly bespoke product. The workable properties of this concrete mean it can be uniquely customised to performance requirements such as those typically needed in precast mix design. As with all the products in the BREEDONFlow® range, the traditional methods of placing and finishing concrete are not needed, making it the product of choice for fast, flexible delivery.

USES

- Bespoke finishes
- All types of precast construction

BENEFITS

- Bespoke product to fulfil customer requirements
- High workability and segregation resistance
- No need for traditional placing and finishing
- High-quality finishes can be achieved
- Elimination of vibration, reduction in noise and cleaner working environments improve health and safety conditions
- Removing the need for vibration reduces wear and tear on formwork and moulds, increasing their lives
- Lower energy requirements and plant maintenance from less spillage and waste
- Increased productivity by reducing the turnaround of moulds between castings and less surface finishing is needed (fewer defects)
- Bespoke admixtures can be incorporated to lower consistency retention times and quicker strength gains to permit earlier lifting from moulds

SPECIFICATION OVERVIEW

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

THE BREEDONFlow®
RANGE OF PRODUCTS
CAN BE FORMULATED
TO SUIT ALL CUSTOMER
APPLICATIONS.

PLEASE CONTACT US
TO DISCUSS YOUR
REQUIREMENTS.

BREEDONFlow® Gypscreeed

A SELF-COMPACTING FREE-FLOWING FLOOR SCREED



PRODUCT DESCRIPTION

BREEDONFlow® Gypscreeed is a combination of high-quality binder, specially selected sands, water and special additives where required. Designed to meet the requirements of BS EN 13813, it offers a smooth, flat and level surface for use in the vast majority of interior applications where a subsequent floor covering will be used.

USES

- Residential/Commercial/Retail/Healthcare buildings
- Schools
- Bonded and un-bonded construction
- Timber frame
- Concrete and steel frame
- Incorporation of electric or wet underfloor heating systems

BENEFITS

- Only supplied to Approved Installers, ensuring a quality finish
- Enhanced drying rate
- No vibration or compaction needed
- High recycled content and low embedded CO₂
- Large areas can be completed in a relatively short period of time
- Low shrinkage risk
- Reduced thickness compared to traditional screeds
- Thermal advantages over conventional materials

SPECIFICATION OVERVIEW

Wet density typically 2300kg/m³ and dry density approximately 2200kg/m³. Please contact your local customer service centre to discuss requirements.

BREEDONFlow® Swiftscreed

A FREE-FLOWING CEMENTITIOUS SCREED SUITABLE FOR MOST FLOORING APPLICATIONS



PRODUCT DESCRIPTION

BREEDONFlow® Swiftscreed is a low shrink, free-flowing cementitious screed, designed to provide a smooth level surface prior to the application of the desired floor finish. It is suitable for floating, bonded and un-bonded flooring systems, including most underfloor heating systems and all residential/ commercial floors carrying pedestrian traffic as described within BS8204.

USES

- Residential/Commercial/Retail/Healthcare buildings
- Schools
- Bonded and un-bonded construction
- Incorporation of electric or wet underfloor heating systems
- Timber, concrete and steel frame

BENEFITS

- Thinner sections compared to traditional screeds
- Cover to underfloor heating can be reduced to a minimum thickness of 30mm
- Can take foot traffic 48 hours after placing
- Can be applied in future wet rooms (bathrooms/showers)
- Increased thermal advantages compared to traditional screeds
- Ease of installation through approved installers, ensuring a quality finish
- Can receive most types of floor coverings after 21 days
- Can be forced dried from 7 days
- Low shrinkage rate
- Large floor areas in excess of 1000m² can be installed within a day
- Self-placing, self-compacting material that will fully encapsulate underfloor heating pipes

SPECIFICATION OVERVIEW

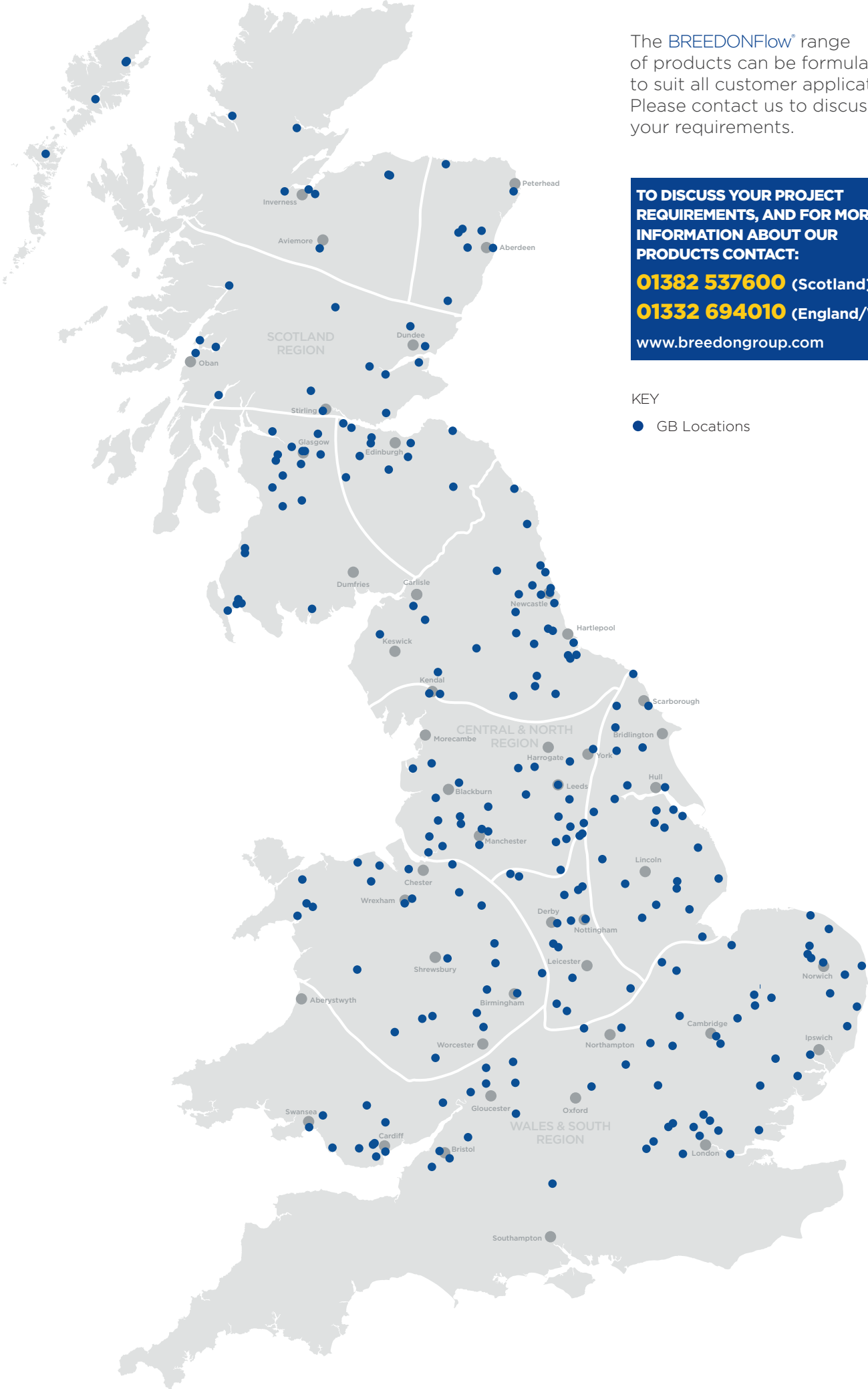
Wet density typically 2,200 Kg/m³ and dry density approximately 2000 Kg/m³. Please contact your local customer service centre to discuss requirements.

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:
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01332 694010 (England/Wales)
www.breedongroup.com

KEY

● GB Locations





For more information about our performance concretes contact

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