

# THE GUIDE TO BUILDING PRODUCTS



# CREATING LASTING LEGACIES

**Forterra is one of the UK's leading building product manufacturers, supplying the materials that shape our built environment. With a heritage stretching back generations, we are recognised for our expertise in clay and concrete solutions that have become essential to modern construction.**

Our portfolio brings together many of the country's most established and trusted brands. From iconic clay bricks to precast flooring and bespoke masonry, Forterra products are chosen every day by housebuilders, contractors, and developers. Designed for strength, quality, and consistency, they form the fabric of homes, communities, and landmark projects across the nation.

Our clay brick division combines secure, long-term mineral reserves with efficient, high-volume production to supply millions of extruded and soft mud bricks, serving primarily the new-build housing market. We are also the proud custodians of the iconic Fletton brick, produced under the London Brick brand. Used in the construction of nearly a quarter of England's housing stock, it continues to play a central role in home extensions and improvements today.

In concrete, we are a leading producer of both aircrete and aggregate blocks, with Thermalite standing as one of the most recognised names in the sector. Our precast concrete solutions, sold under the established Bison Precast brand, support a wide range of projects – from housing to major commercial and infrastructure developments.



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**VIEW OUR COMPLETE RANGE  
FORTERRA.CO.UK**



# FLETTON BRICKS

The iconic London Brick has been in continuous production since 1877 and continues to be made using the same historic manufacturing processes.

It's a brick with an extraordinary legacy, playing a pivotal role in the growth and construction of the railways in the late nineteenth century, and in the construction of almost a quarter of England's housing in the twentieth century.

## WHY CHOOSE LONDON BRICK?

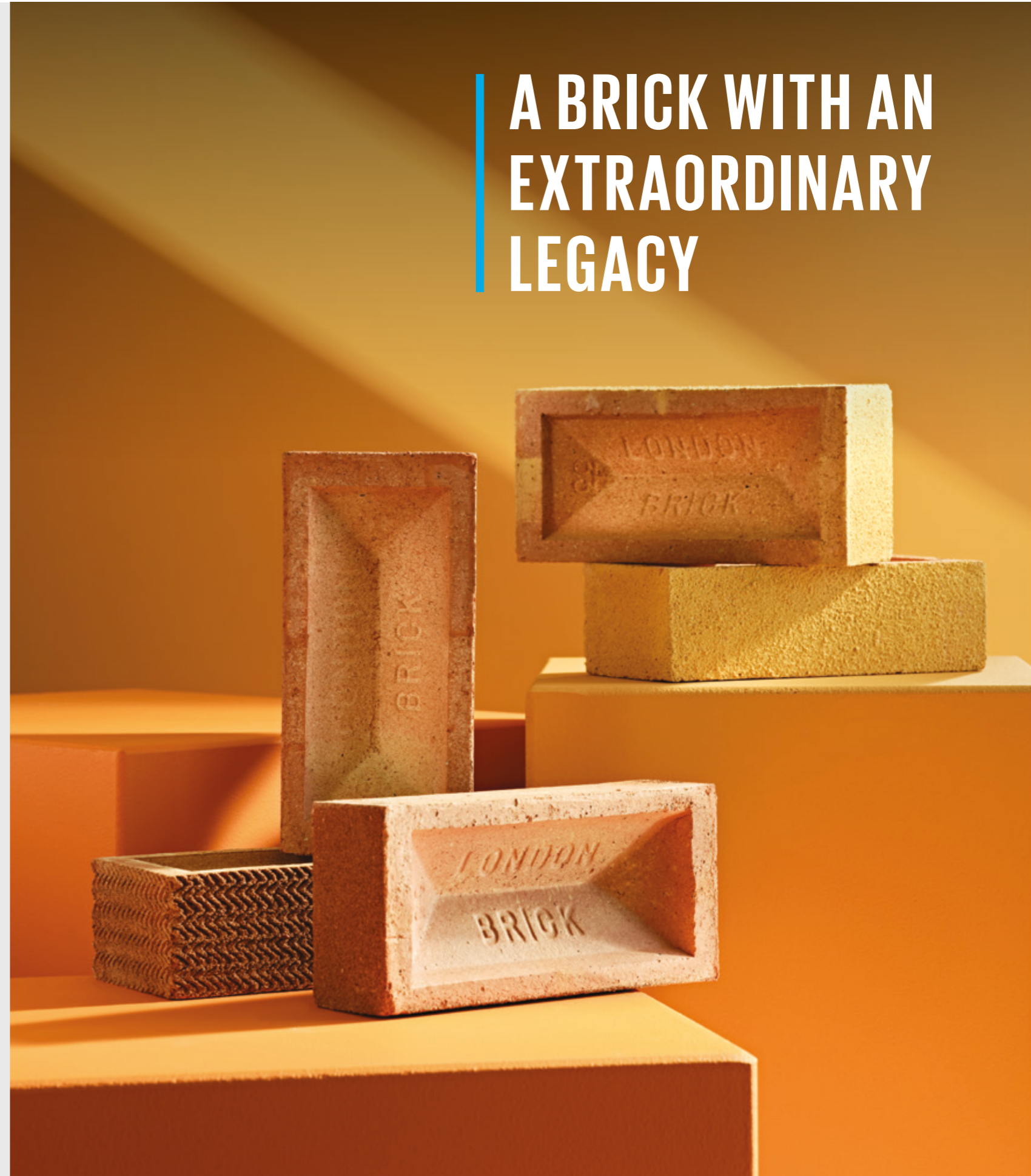
Today, London Brick is produced primarily for the renovation, maintenance and improvement (RMI) market. The choice of 23 different colours and textures makes it easy for homeowners to find a perfect match for their existing brickwork as they look to improve or extend their homes.

London Brick is also a mainstay of college bricklaying courses. Its iconic 'frog' – a groove in the top of the brick that ensures even heat distribution in the firing process – makes the brick easy to cut, handle and lay, helping student bricklayers to build their skills and confidence.



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OR CALL 0330 123 1017

# A BRICK WITH AN EXTRAORDINARY LEGACY



# HANDMADE APPEARANCE HIGH END FINISH



Ecostock Hampton Rural Blend



## SOFT MUD BRICKS

**The Ecostock range of pressed, thrown, and waterstruck bricks is manufactured at our purpose-built soft mud factory in Measham, Leicestershire.**

Known for their advanced colour consistency and high quality, Ecostock bricks deliver exceptional results in both contemporary and traditional designs. With a choice of rich reds, buffs, yellows, and greys, these bricks bring depth, character, and timeless appeal to any project.

### WHY CHOOSE ECOSTOCK?

The Ecostock range of bricks is designed with the needs of Britain's architects and developers in mind.

Their rustic aesthetic replicates the look of a handmade brick, giving buildings a high-end, authentic appearance. Whether used in new housing developments, renovations, or as feature detailing, these bricks provide a refined finish to any project.

Each year, approximately 100 million Ecostock bricks are produced at Measham using high quality materials, many of which are locally sourced from our adjacent quarry. This direct supply chain supports consistent quality and a reliable colour palette, ensuring that every brick meets the highest standards for appearance and performance.



Ecostock Belgravia Gault Blend



Ecostock Chelsea Smoked Red



Ecostock Cathedral Cream



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**BUTTERLEY**

BRICK

# EXTRUDED WIRECUT BRICKS

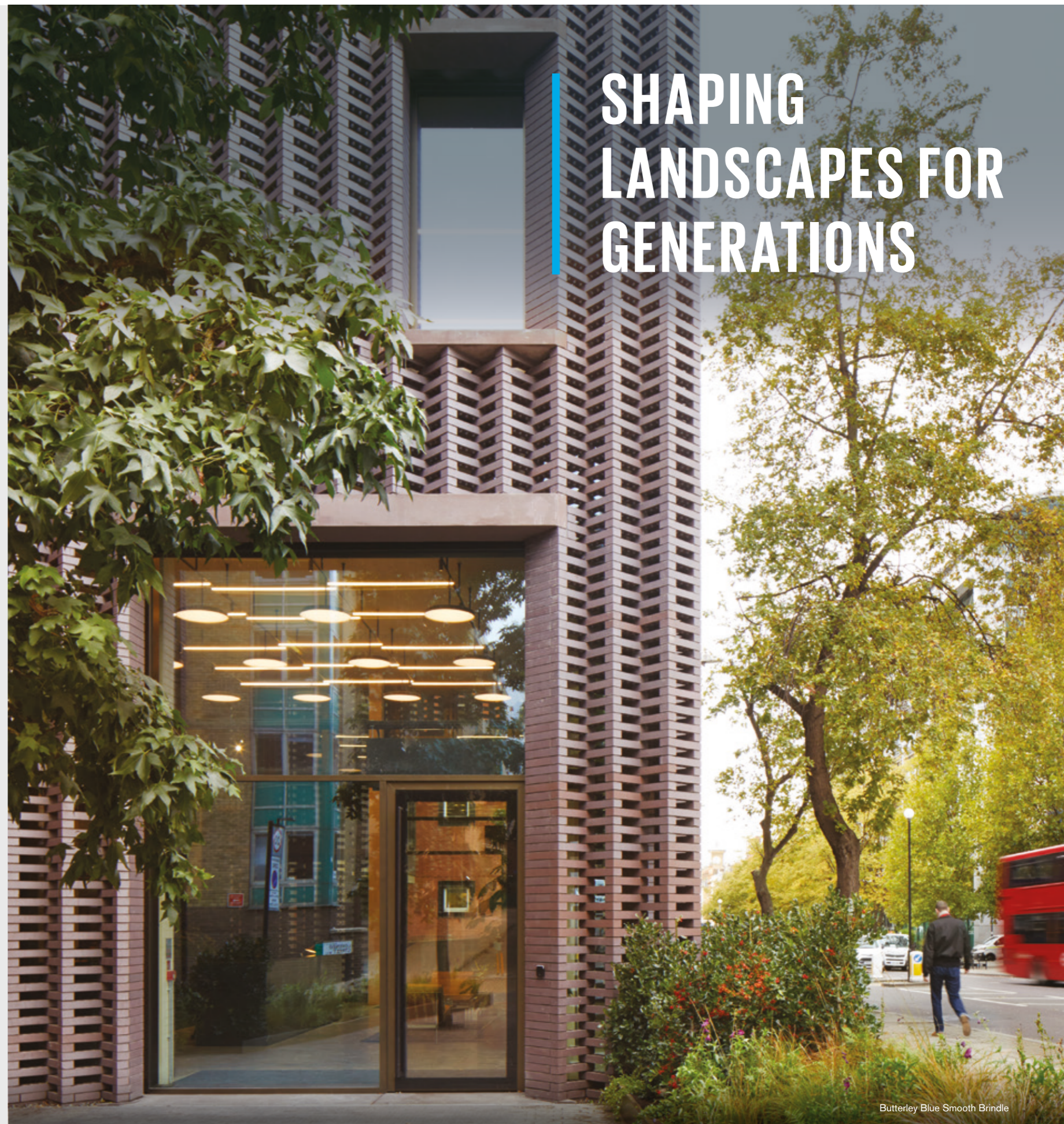
**For more than 150 years, Butterley has been one of the UK's best known and most respected brick brands – trusted by generations of housebuilders for its quality, reliability, and aesthetic appeal.**

Our bricks have shaped streets and skylines throughout the UK and their distinctive character can be seen in both landmark buildings and everyday homes. They have also been chosen to create decorative detailing, including the coats of arms built into the walls of court buildings up and down the country.

## WHY CHOOSE BUTTERLEY?

Butterley wirecut extruded bricks combine strength, precision, and aesthetic versatility. Available in an extensive palette of reds, buffs, yellows, browns, blues, and greys, they offer a choice of finishes to suit any project – from the sleek uniformity of smooth and lightly textured styles, to the characterful depth of heavy textured and tumbled bricks.

Their versatility makes Butterley bricks suited to both classic and contemporary architecture ensuring that, whether you are building a heritage-inspired development or a bold modern design, your project will benefit from bricks of consistent quality, colour, and performance.



# SHAPING LANDSCAPES FOR GENERATIONS



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# BLENDING TRADITION WITH MODERN URBAN



## CASE STUDY PARK VIEW

**BUTTERLEY**  
BRICK

**Client:** Miller Homes  
**Brick Type:** Butterley Southdown Multi  
**Location:** Gateshead  
**Sector:** Residential



### THE CHALLENGE

Park View is a residential development of 175 units, including one and two-bedroomed apartments and three, four, and five-bedroomed homes. The site sits alongside Saltwell Park, one of Britain's finest Victorian parks. A conservation area, the design of the site sought to blend tradition with a modern urban feel.

The local council required a premium finish for which the right choice of brick was essential.

### THE SOLUTION

After reviewing several options, Forterra's Southdown Multi from its Butterley brand range was chosen. It is a high-quality facing brick with a tumbled texture.

For some plots on the site, the bricks were laid in an English Garden Wall bond, closely reflecting the brickwork of some of Saltwell Park's buildings.

Alongside modern features, such as rainscreen cladding projections and timber finishes, the development also includes a number of bespoke elements appropriate to the conservation area: reduced window reveals, timber doors and windows coloured in a modern, dark grey; natural slate roof tiles; exaggerated roof pitches to accentuate prominent plots; and full height feature windows.

### THE BENEFITS

The use of Southdown Multi brick has proven to be an effective choice in the successful blending of traditional and modern, ensuring the new development quickly settled within its surrounding environment.



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# SPECIAL SHAPED BRICKS

**Our Cradley special bricks facility, based in Measham, manufactures one of the UK’s most comprehensive ranges of British Standard, non-standard, and tailor-made bricks.**

The team has worked with architects, developers, and restoration specialists to create special shaped bricks for the construction, renovation, and restoration of a wide range of buildings, from English Heritage properties to award-winning contemporary architecture.

## WHY CHOOSE CRADLEY SPECIAL BRICK?

Cradley’s special bricks provide the detail that can transform an ordinary building into an extraordinary one.

Our bespoke design and manufacturing process means we can also create one-off brick specials for everything from unique, contemporary builds, to the sustainable renovation and maintenance of historic buildings.



**SCAN TO LEARN MORE  
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**THE MOST  
COMPREHENSIVE  
RANGE OF SPECIAL  
SHAPED BRICKS**



# THE TRANSFORMATIVE EFFECT OF CREATIVE BRICKWORK

## CASE STUDY THE INTERLOCK

**CRADLEY**  
SPECIAL BRICK

**Client:** HGG London

**Architect:** Bureau de Change

**Brick Type:** Cradley Bespoke Special Shaped Bricks

**Location:** Fitzrovia, London

**Sector:** Residential



A modern, five-storey building in London's Fitzrovia that once paled in comparison to some of its more elegant neighbours, is now arguably the street's most striking resident.

The Interlock is an outstanding example of what is possible when architect and clay brick manufacturer put their heads together.

Forterra's technical team worked with architect Bureau de Change, drawing the building's new façade brick for brick to ensure technical possibility and aesthetic ambitions aligned. It then fell to the team at Forterra's Cradley special bricks facility to design and produce the bricks.

Guided by 1:1 templates, the complex construction took three months to complete, as each of the 5,000 bespoke Etruria Clay Blue bricks was painstakingly laid to form the three-dimensional, interlocking pattern.

The Interlock won three awards at the 2019 Brick Awards including the prestigious Architects' Choice award as well as winning in the Innovation and Small Housing Development categories.

This project is a great example of a collaborative approach with our customers.



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# CRAFTING CLAYWARE FOR OVER 100 YEARS



RED BANK

## RIDGE TILES, CHIMNEY & FLUE SYSTEMS

Red Bank has been producing high-quality clayware for over 100 years, offering an unrivalled range of products that add distinction and character to new builds, restorations, and renovation projects.

As well as manufacturing clayware essentials for sale through builders' merchants, Red Bank's highly skilled craftsmen, some of them second or third generation workers, use centuries-old techniques to create bespoke clayware products for organisations such as the National Trust and English Heritage.

We use UK-sourced clay minerals, most of which come from our own quarry, to produce clayware in the red, buff and slate body mix colours that are common to period buildings throughout the UK.

### WHY CHOOSE RED BANK?

We offer one of the UK's most comprehensive ranges of bespoke and off-the-shelf chimney and roofing components. Our portfolio includes chimney pots, inserts, ridge tiles, finials, air bricks, cavity wall ducts, and gas flue terminals – available in a variety of sizes, colours, and styles to complement both traditional and contemporary architecture.

To create bespoke pieces, our skilled team can work from either an item sample or a dimensioned technical drawing, ensuring precise, high-quality results.



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**THERMALITE**

# AIRCRETE BLOCKS

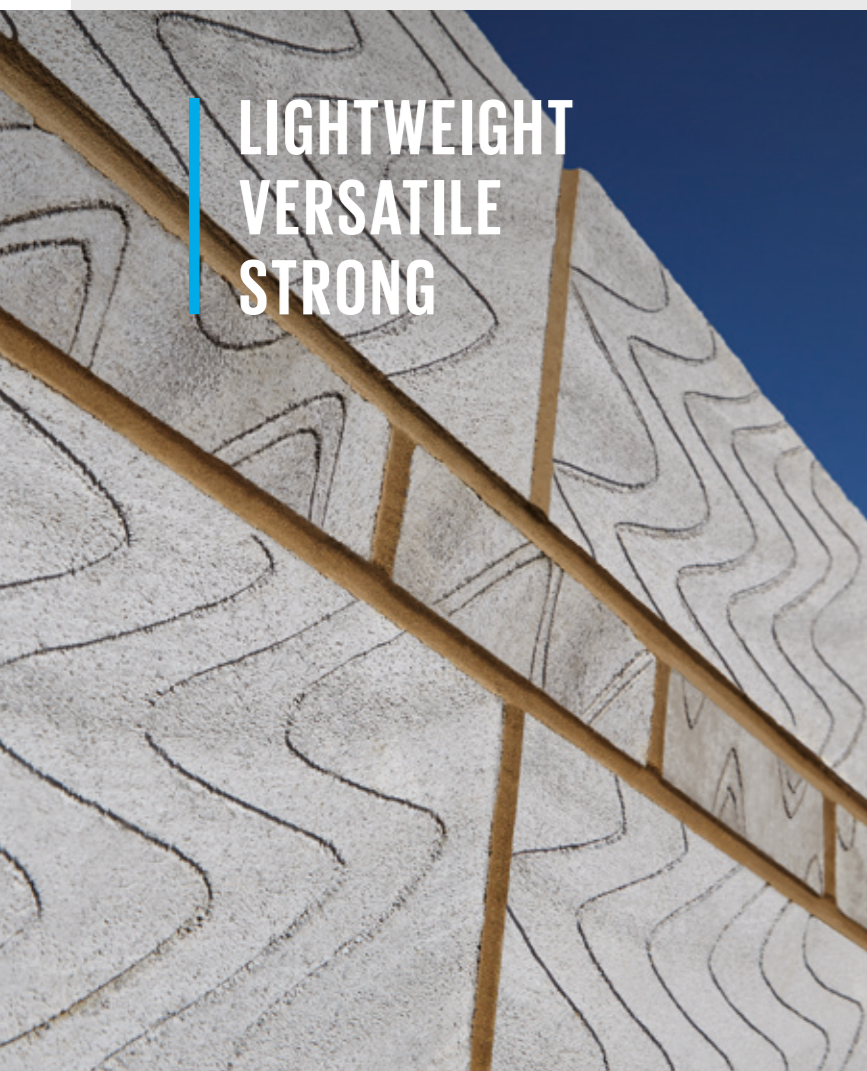
First introduced over 70 years ago, Thermalite is one of the UK's most trusted building brands, continuing to evolve through Forterra's ongoing research and development.

Renowned for outstanding thermal performance and lightweight handling, Thermalite blocks also deliver impressive compressive strength, sound insulation and fire resistance – benefits made possible by their unique closed micro-cellular structure containing tiny pockets of trapped air.

## WHY CHOOSE THERMALITE?

Thermalite is a versatile solution for external and internal walls, foundations, and beam-and-block floors. Its excellent thermal insulation makes U-value targets easier to achieve, helping to reduce heat loss and lower CO<sub>2</sub> emissions throughout a building's lifespan.

With a wide range of strength, thermal conductivity, and density options, Thermalite offers exceptional flexibility to meet the needs of virtually any project.



**SCAN TO LEARN MORE  
OR CALL 03705 626500**

**CONBLOC**

# AGGREGATE BLOCKS

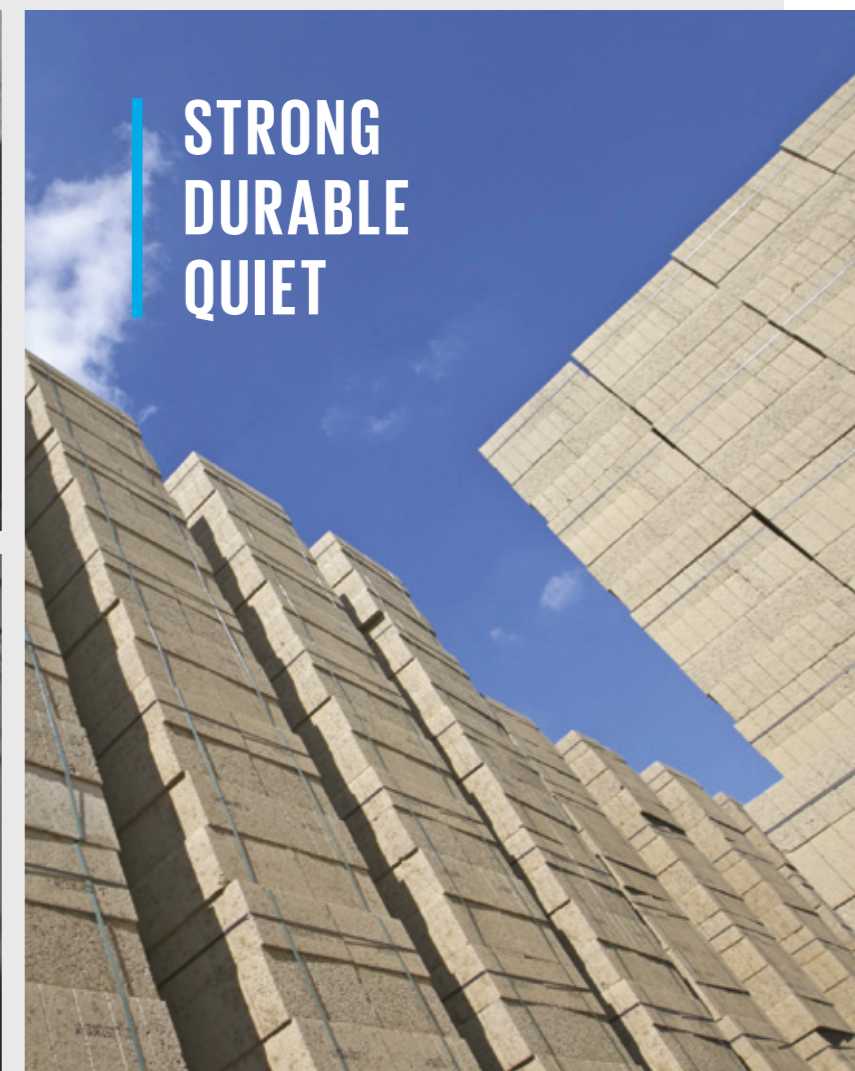
Conbloc aggregate concrete blocks bring durability, strength, and acoustic performance to a wide range of internal and external applications, from foundations and separating walls, to partitions and beam-and-block floors.

The Conbloc family offers two complementary ranges: Conbloc Evalast, our dense aggregate blocks designed for maximum robustness and loadbearing performance, and Conbloc Fenlite, our lightweight aggregate blocks that provide easier handling and improved thermal performance while retaining impressive strength.

## WHY CHOOSE CONBLOC?

Conbloc blocks combine excellent sound insulation, high compressive strength and the thermal mass needed to meet building regulations for both acoustic and thermal efficiency.

Through the use of ground granulated blast furnace slag (GGBS) as a cement replacement, Conbloc also helps you achieve your sustainability targets without compromising on performance.



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OR CALL 0330 123 1015**



# CONCRETE FLOORING SOLUTIONS



Bison Hollowcore Flooring



SCAN TO LEARN MORE  
OR CALL 01636 832000

BISON PRECAST

## PRECAST FLOORING

**Comprehensive, performance-driven flooring for residential and commercial builds.**

Bison Flooring delivers a complete suite of precast flooring systems – ideal for single or multi-storey construction. Our portfolio includes:

**Jetfloor system** – the market-leading insulated ground floor solution since 1982, combining structural strength with thermal efficiency for a future-ready build.

**Beam & block system** – quick, economical installation with excellent acoustic, fire, and thermal mass performance, ideal for intermediate residential floors.

**Precast hollowcore & solid floors** – delivering outstanding sound insulation, fire resistance and durability for apartments, care homes, hospitals and commercial projects.

### WHY CHOOSE BISON FLOORING?

Whether you're a housebuilder, specifier, or commercial client, Bison Flooring has the capacity, technical knowledge, and manufacturing strength to deliver flooring solutions – both tailored to your project or from stock.

Our Jetfloor, hollowcore solid floors, and beam & block systems offer unrivalled performance across key technical criteria: thermal efficiency, acoustic insulation, structural integrity, and fire resistance. Trusted across residential and commercial sectors, they deliver real-world benefits, build faster, safer, and stand the test of time.



Bison Precast Stairs



Bison Jetfloor System



Bison Beam & Block Flooring System

# BRICK SLIP FAÇADE SYSTEM

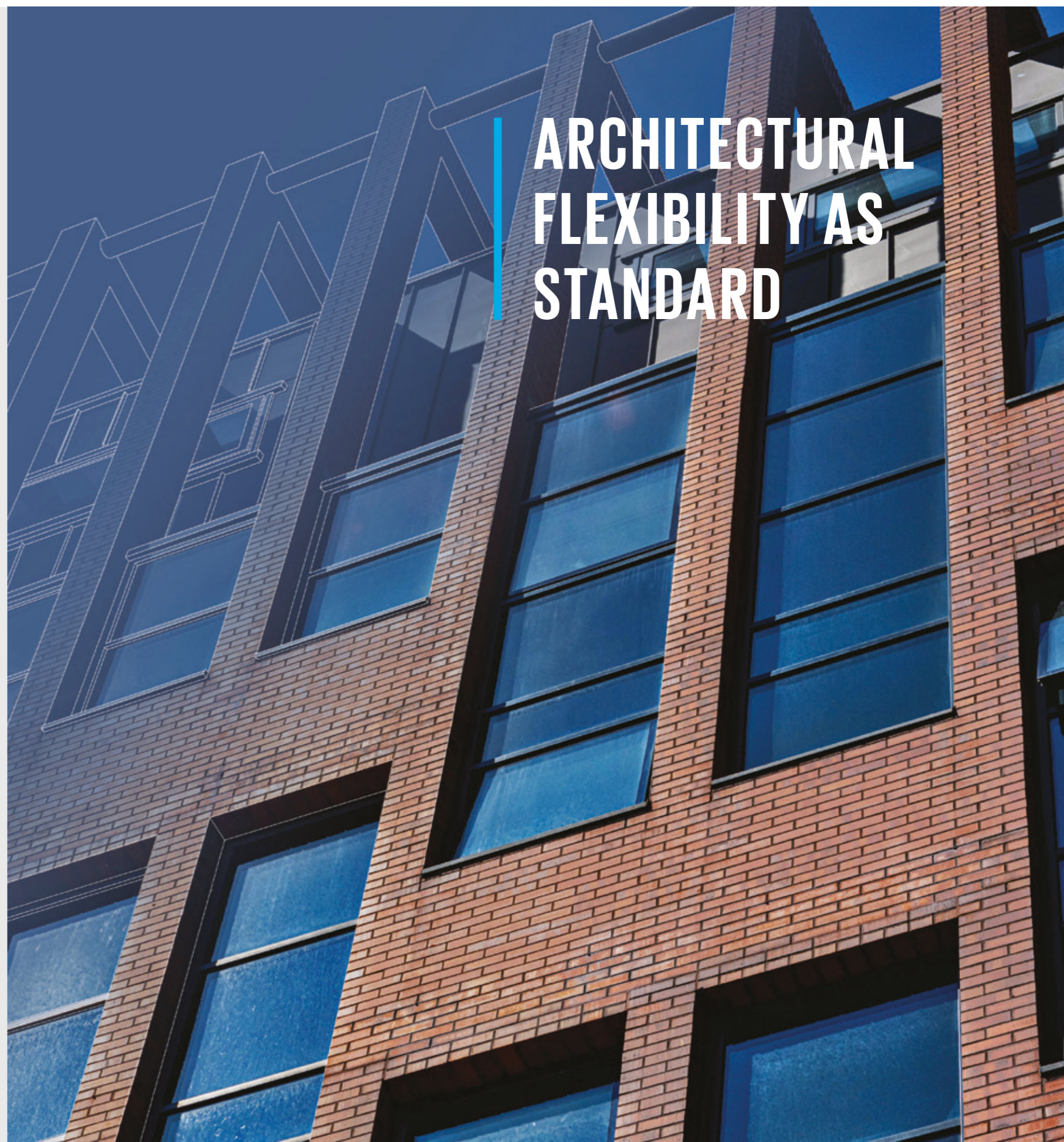
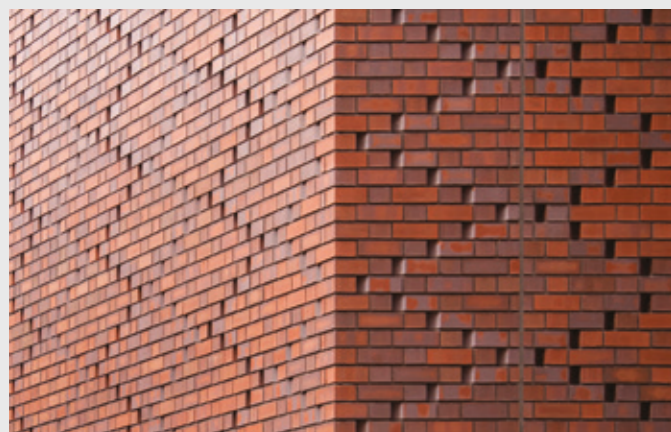
**Non-combustible and A1 fire rated, our façade systems are changing the face of modular and high-rise construction. SureBrick brick slips are available in a wealth of colours, textures, and finishes, unlocking new possibilities in architectural design.**

## WHY CHOOSE SUREBRICK?

SureBrick is a mechanically retained and non-combustible brick slip system that offers an enhanced choice of design and finish options.

Able to be paired seamlessly with any facing brick from the full Forterra range, they can be used in a wide variety of building types and locations, creating versatile and striking façade solutions.

Our façade systems are helping developers and architects to meet building regulations in even the most challenging of environments, whether it be residential, commercial, or volumetric modular construction.



**SCAN TO LEARN MORE  
OR CALL 0330 123 1018**

# TECHNICAL SERVICES

**For general construction advice or information about a product's performance and industry best practice on how to use it, our experienced technical team are on hand to answer your questions at every stage of your build.**

If your project has hit a brick wall, the team's problem-solving skills are second to none. By involving them from a project's earliest stage, they are able to use their true value engineering knowhow to help you make your architectural design concept reality while keeping budgets under control.

## **Product Performance**

Technical specifications and product declarations can be supplied for Forterra's brick and block products. If you require further information, the team can provide advice and guidance on products relevant to your project, taking into consideration key performance criteria such as compressive strength, weight, water absorption, frost performance, thermal, acoustic, fire classification and air tightness.

## **Problem Resolution**

Our extensive technical advice and support helps to avoid problems from occurring in the first place, but should you find yourself in a challenging situation, we do our best to help you to find a satisfactory resolution.

## **Advise on standards and best practice**

Not sure of the requirements for your build? We can provide guidance on standards and Building Regulations to point you in the right direction. If you're targeting performance above and beyond the basic standards, then the team can advise best practice on the use of Forterra's products to achieve the highest possible performance standards.

## ANSWERING YOUR QUESTIONS AT EVERY STAGE OF YOUR BUILD

## U-VALUE CALCULATOR

Forterra's online U-value calculator allows instant thermal assessments for solid walls, partially and fully filled cavity walls. This tool allows you to quickly narrow down your material specifications and desired construction method. Once selected, please contact our Technical Services team on 0330 123 1018 who will be able to arrange an official U-value assessment.



**FOR TECHNICAL SERVICES  
CALL 0330 123 1018**

# SUSTAINABILITY

**At Forterra, sustainability truly sits at the heart of everything we do. While heavy building materials inherently carry a carbon footprint, we believe that through leadership, investment, and continuous innovation, we can make a meaningful difference.**

Our products are built to last – homes constructed with our materials can stand for 150 years or more – making them inherently sustainable in use.

We've set ambitious, science-backed targets: to reduce our carbon intensity per tonne by 32% by 2030 (against 2019 levels) and to reach net zero by 2050.

To achieve this, our sustainability strategy is fully aligned with our core operations. We're upgrading our factories to improve efficiency, reduce energy consumption, cut emissions, and lower carbon compliance costs.

Innovation also plays a key role. For example:

- Our extruded brick-slip process will use around 25% of the raw materials and energy required for traditional bricks, avoiding the waste created when conventional bricks are cut.
- We're trialling hydrogen blends up to 25% into our kiln fuel supply – without compromising brick quality – as part of our pathway to reduce our carbon emissions.
- We're also working closely with our supply chain to reduce packaging, invest in on-site renewables, and deliver ongoing factory upgrades.

To learn more about our sustainability journey and the actions we're taking today, simply scan the QR code below.



**SUSTAINABILITY  
AT THE HEART OF  
OUR STRATEGY**



**VIEW OUR SUSTAINABILITY STRATEGY AT  
FORTERRA.CO.UK/SUSTAINABILITY**

Forterra is a leading manufacturer of a diverse range of clay and concrete building products, used extensively within the construction sector, and employs over 1,400 people across 11 manufacturing facilities in the UK.

It is the second largest brick and aircrete block manufacturer in the country, and the only producer of the iconic London Brick. Other trusted brands from Forterra include Thermalite, Conbloc, Ecstock, Butterley, Cradley, Red Bank, and Bison Precast.



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