The BrickFinder

Pick up your free copy

FEATURES

Special Shaped Bricks
Introducing our new dedicated online platform

Take A Closer Look
Instant access to featured products and trends

Slip Into Any Style
A complete brick and paver slip solution
Founded in 19th century Vienna, Wienerberger is a leading provider of wall, roof and landscaping.

Today, we have over 200 production sites in 30 countries. In the UK, Wienerberger operates across four showrooms, 14 production sites and six distribution depots, with our head office in Cheadle, Cheshire.

With in excess of 1000 products across our wall, roof and landscaping categories, we offer building solutions across the whole envelope. From the latest in construction innovation to traditional handmade and heritage techniques, we’re able to provide our customers with a whole suite of added value systems and services.

As a company, we believe that everything we do should make a lasting contribution towards creating a better quality of life.

Find out more about our products and services at www.wienerberger.co.uk
Load Builder offers more control and less constraints with a new online tool to mix and match quantities of bricks, which can be delivered on one vehicle.

It’s easy, flexible and gives you more control of your stock, storage space and capital costs.

- Load Builder finds your nearest hub from a selection across the country.
- Mix and match from a wide range of facing and engineering bricks.
- Input your details and our system will calculate your quote, ready for you to confirm.
- We can then deliver your order quickly and efficiently in one delivery, which reduces vehicles on the road and your carbon footprint.

The Load Builder service reduces the need for part-load haulage and over-stocking, so that builders merchants can order only what they need. And by offering the best return per m², it opens up possibilities to maximise product offering and minimise capital costs of stock.

If you’re interested in stocking with Load Builder go to www.wienerberger.co.uk/loadbuilder
BRICK STYLES

THERE ARE SEVERAL TYPES OF BRICKS MADE IN DIFFERENT WAYS, EACH WITH DIFFERING CHARACTERISTICS.

HANDMADE
Made by a very traditional process, as used for centuries, where individual bricks are hand thrown into moulds. The method gives an attractive, gentle creased texture in the face of the bricks. They have an indent in the top of the brick known as a ‘frog’.

ST JOHN’S RED HANDMADE

STOCK (ALSO KNOWN AS SOFTMUD)
Created using an automated process where the clay is placed into moulds by a machine. Stock bricks tend to have softer, more varied edges. Like handmade bricks, stock bricks also often have a frog.

WARNHAM RED

SANDOWN RED

WATERSTRUCK
Made using a similar process to stock bricks but the bricks are released from the moulds using water. This process, along with a wetter clay mix, gives waterstruck bricks a distinctive texture. They are often solid bricks although some waterstruck bricks do have frogs.

MELLOWED RED

SOVEREIGN STOCK

ENGINEERING BRICKS
Made using the same process as wirecut bricks. Engineering bricks are selected for their enhanced technical performance rather than their appearance. Engineering bricks have high compressive strength and low water absorption properties. They can be either perforated or solid and tend to be either smooth red or smooth blue.

BLUE ENGINEER

WIRECUT (ALSO KNOWN AS EXTRUDED)
Produced by extruding a column of clay through a brick shaped die and then cutting the column into individual bricks using a wire. Wirecut bricks tend to have very precise edges and also have perforations through the bricks. The perforation pattern can be in many different forms depending on where the bricks are manufactured. They can also be produced as solid bricks.

MELLORED RED

SOVEREIGN STOCK

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MELLORED RED

SOVEREIGN STOCK

Wienerberger App

FIND THE RIGHT PRODUCT IN JUST A FEW CLICKS.

We offer hundreds of products across three core categories of wall, roof and landscaping. These products are primarily clay-based, but we also manufacture with a range of other materials, including concrete and slate.

From the latest in construction innovation to traditional handmade and heritage techniques, we are able to provide a range of products and services to suit different specifications. However, we recognise that with so many products to choose from, finding the right one can often be a challenge.

So we created the Wienerberger App, an innovative application available on Apple and Google Play, enabling users to quickly search and filter to find the right products for their project. The app includes our bricks, roof tiles and clay pavers, as well as our revolutionary wall system, Porotherm.

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To find out more about Wienerberger Apps visit: www.wienerberger.co.uk/apps
Bonding refers to the way in which the bricks are laid. The primary purpose of bonding is to ensure the brickwork is strong and stable. However, it can also have a dramatic effect on the visual appearance.

**Bonding Patterns**

When you are creating your perfect look with your brickwork there are a number of different elements to consider that can make a huge difference to the overall appearance of your building.

**Achieving Different Looks**

Bonding refers to the way in which the bricks are laid. The primary purpose of bonding is to ensure the brickwork is strong and stable. However, it can also have a dramatic effect on the visual appearance.
Mortar Colour

It might not get the same attention as the brick, but mortar accounts for a significant proportion of the visible brickwork of a build. With that in mind, choosing the right colour can make all the difference. Whether you are looking for subtle blends or clear contrast, below are some examples of the effects that mortar colour can create:

Mortar shown with Warnham Red (left) and Brookhurst Yellow Multi (right).

<table>
<thead>
<tr>
<th>BRICK DIMENSIONS (mm)</th>
<th>QTY PER 1m²</th>
<th>QTY PER 5m²</th>
<th>QTY PER 10m²</th>
<th>QTY PER 20m²</th>
<th>QTY PER 50m²</th>
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</thead>
<tbody>
<tr>
<td>215 x 102.5 x 50</td>
<td>75</td>
<td>375</td>
<td>750</td>
<td>1500</td>
<td>3750</td>
</tr>
<tr>
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<td>60</td>
<td>300</td>
<td>600</td>
<td>1200</td>
<td>3000</td>
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<tr>
<td>228 x 108 x 68</td>
<td>54</td>
<td>270</td>
<td>540</td>
<td>1080</td>
<td>2700</td>
</tr>
<tr>
<td>215 x 102.5 x 73</td>
<td>54</td>
<td>270</td>
<td>540</td>
<td>1080</td>
<td>2700</td>
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<tr>
<td>215 x 102.5 x 75</td>
<td>53</td>
<td>265</td>
<td>530</td>
<td>1060</td>
<td>2650</td>
</tr>
</tbody>
</table>

Quantity required based on a 10mm joint thickness

The Brick Calculator

On a brick build, choosing the right style is perhaps the most important aesthetic choice of the entire project. The colour and texture of the outside of the property will, more than any other individual element, define the appearance of the build.

With our famed 150 years plus product life cycle, this is a choice that very much needs to have the long-term in mind. It needs to be the perfect brick for you.

However, one of the real advantages of Wienerberger’s range is that, despite the huge variety of style, size and texture available within our product portfolio, choosing the right brick represents only a relatively minimal proportion of the build cost. For example, on a large detached house using 10,000 bricks, the cost of upgrading from a brick that costs £400/k to £600/k equates to just £2000. This means that choosing the best possible brick is an option that is as economic and practical as it is desirable.
Good Site Practice
Adhering to good site practice will ensure a smooth construction process and the best aesthetic results.

Delivery and Storage
From the moment bricks are delivered to site, the way in which they are handled and stored can have an effect on the appearance of brickwork at a later point:
- Bricks should be unloaded onto hard, flat, level ground
- It is recommended that brick packs should never be stored more than two packs high
- Palletised products should be stored on-site in a single layer in order to eliminate handling damage
- Brick packs should be stored in areas which will remain free from mud, splashing by site delivery vehicles and potential staining from other materials
- All bricks in storage should be adequately protected against rain, snow and frost

Protection
Protection of brickwork is important to prevent it becoming saturated as this can lead to staining and efflorescence (minerals emerging from the clay):
- Face brickwork should be kept clean and protected and care must be taken to avoid splashing from mortar pointing
- Exposed walls should be covered with waterproof materials during construction

Appearance
A suitable site-reference panel, representative of the consignment, should be constructed prior to commencement of brickwork in order to provide an indication of the finished wall appearance:
- Before laying bricks, site personnel should check that the colour, shape, size and texture are correct and as expected
- In order to ensure a consistent appearance throughout the building, bricks should be blended from a minimum of three packs at the same time in order to avoid colour ‘banding’

Mortar
Correct mortar specification and preparation is critical to the aesthetics, durability, rain resistance and structural performance of brickwork:
- Deliveries of mortar should be protected from the elements
- The mortar mixing area should be kept clean to avoid contamination
- Consideration should be given to the appropriate mortar specification for different applications

Cleaning Brickwork
Good bricklaying and protection should minimise the need for cleaning completed brickwork, however there will usually be some need to remove mortar stains:
- Any large deposits of relatively fresh mortar can be removed by a wooden implement to avoid damage to the brick face
- High pressure hoses and wire brushes should not be used as they may abrade the surface
- With cement or lime stains it may be necessary to consider a proprietary brickwork cleaning solution

Code of Practice
Bricks should be stored, handled and used in accordance with the Code of Practice for Use of Masonry

Information & Advice
Samples

Brick, clay paver and roof tile samples can be ordered by using the Product Search function on our website. Simply visit www.wienerberger.co.uk and select the product you’re interested in, then click the trolley symbol alongside the main image. This will add your selection to your sample basket.

You can then shop around for more or go directly to the sample basket to confirm your order. You will receive a confirmation email and your samples will be sent out to you as soon as possible by our customer services team.

Alternatively request a product sample by downloading the Wienerberger UK App at www.wienerberger.co.uk/apps

Email us at samples@wienerberger.co.uk

Call our customer service team on 0845 303 2524
Red & Red Multi

STOCK

ASHINGTON RED MULTI

ALDBURY MULTI STOCK

ATHENA BLEND

BRADFIELD MULTI

CHOLESBURY DARK RED MULTI

DORCHESTER RED STOCK

DORRIDGE RED MULTI STOCK

ASHINGTON RED MULTI

BAMBURGH RED STOCK

BURENHAM MULTI STOCK

CHARTHAM MULTI STOCK

CHOLESBURY LIGHT RED MULTI

CHARTHURST RED MULTI

FOURCHAMBRAI RED MULTI

ALDBURY MULTI STOCK

BLENDED RED MULTI GILT STOCK

DORCHESTER RED STOCK

CHOLESBURY LIGHT RED MULTI

DORRIDGE RED MULTI STOCK

Grab a sample by emailing us at samples@wienerberger.co.uk
Red & Red Multi
STOCK

Check out our newly extended range of quality clay paving at www.wienerberger.co.uk/landscapes
Red & Red Multi

STOCK

Product Focus

Red & Red Multi

Available in 65mm and 50mm

KASSANDRA MULTI

KENILWORTH ANTIQUE

KEMPLEY ANTIQUE

KINGSHURST MULTI

LINGFIELD RED MULTI

LOXLEY RED MULTI

LYNEMOUTH MULTI

MAPLEHURST LIGHT MULTI STOCK

MARDELE ANTIQUE

MARPESSA MULTI

MEDIUM SURREY BLEND

MILANO

MOZART BLEND

NEW RED MULTI GILT STOCK

NEWFIELD MULTI

NUTCOMBE MULTI STOCK

NUTHURS RED MULTI

OLDE AUTUMN ANTIQUE

OLDE CHELFORD RED MULTI

OLDE CHESHIRE RED MULTI*

*Available in 65mm and 50mm
Red & Red Multi

STOCK

OLDE COUNTY BLEND
OLDE CRANLEIGH MULTI
OLDE ESSEX RED MULTI

OLDE FARNDALE MULTI
OLDE HENFIELD MULTI
OLDE HERITAGE ANTIQUE

OLDE HORSHAM
OLDE SOUTHWATER
OLDE SUSSEX BLEND

OLDE WOODFORD RED
OLDE WELWYN RED MULTI
OLDE WOODFORD RED MULTI

PASTORALE MULTI
RENAISSANCE MULTI

Runswick Red Multi

Check out our newly extended range of quality clay paving at www.wienerberger.co.uk/landscapes

Product Focus

Red & Red Multi

STOCK

OLDE COUNTY BLEND
OLDE CRANLEIGH MULTI
OLDE ESSEX RED MULTI

OLDE FARNDALE MULTI
OLDE HENFIELD MULTI
OLDE HERITAGE ANTIQUE

OLDE HORSHAM
OLDE SOUTHWATER
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PASTORALE MULTI
RENAISSANCE MULTI

Runswick Red Multi

Check out our newly extended range of quality clay paving at www.wienerberger.co.uk/landscapes

Product Focus
Red & Red Multi
STOCK/WATERSTRUCK/WIRECUT

- Thornton Red Blend
- Waresley Red Stock
- Warnham Red Stock
- Whitby Red Multi Rustica
- Woodbridge Claret Stock
- Woodhurst Red Multi
- Ashley Red Multi
- Autumn Russet Sovereign Stock
- Heartland Light Multi
- Autumn Russet Sovereign Stock
- Heartland Red Multi
- Lincoln Red
- Mellowed Red Sovereign Stock
- Oast Russet Sovereign Stock
- Reclaimed Shire Sovereign Stock
- Roman Fortuna
- Roman Red Water Struck
- Royston Mixed Red
- Smoked Russet Sovereign Stock
- Abbeydale Red Multi
- Arley Red Rustic

†Available in 65mm and 73mm
Red & Red Multi

Available in 65mm and 73mm

AVENUE SMOOTH RED*  BERKSHIRE RED  BURGUNDY

CALDERA RED MULTI  CEDARWOOD MULTI  CHEPSTOW MULTI

CHESTER RED BLEND†  CINNABAR RED MULTI  CLENT RUSSET MIXTURE

CRANBROOK RED  CROFTERS MEDLEY  DARTMOOR HEATHER

DRAYCOTT RED MULTI†  EWHURST MEDIUM MULTI  INGLE RED

KINDER MIXED RED  MAPLE RED MULTI  MEGALINE DARK RED MULTI

MEGALINE LIGHT RED MULTI  MULBERRY RED  NORTHGATE BLEND

OAKWOOD MULTI†  OLD ECCLESTON BLEND  PEAK BORDEAUX BLEND

†Available in 65mm and 73mm
*Available in 65mm and 50mm
Red & Red Multi

WOODLAND MIXTURE

Have you experienced Porotherm, our innovative clay block wall system? Check it out at www.porothermdiscoveryhub.co.uk

Available in 65mm and 73mm
Orange & Orange Multi STOCK

SMOKED ORANGE

BLENDED ORANGE GILT STOCK
DEWHURST ORANGE MULTI
ORANGE MULTI GILT STOCK

SMOKED ORANGE MULTI GILT STOCK
ST ALBANS ORANGE MULTI STOCK
WARESLEY ORANGE STOCK

WARNHAM TERRACOTTA STOCK
WESTERTON ORANGE MULTI
WINCHESTER MULTI STOCK

WITTON MULTI STOCK

AVENUE SMOOTH ORANGE*

*Available in 80mm and 90mm
Have you experienced Porotherm, our innovative clay block wall system? Check it out at www.wienerberger.co.uk/porotherm
Product Focus

Buff & Buff Multi
STOCK

- HATHERSAGE BLEND
- ANGLESEY WEATHERED BUFF
- ELIZABETHAN LIGHT BRONZE MULTI
- GEORGIAN DARK BRONZE MULTI
- HATHERSAGE BLEND
- JASMINE BLEND
- OAKINGTON BUFF
- RETRO TIFFANY STOCK
- STAMFORD WEATHERED BUFF
- WEATHERED GAULT BLEND
Buff & Buff Multi
STOCK/WIRECUT

ROTHESAY BLEND

NEVADA BUFF
OATMEAL BLEND
PEAK MADEIRA BLEND

WARM GOLDEN BUFF

ROTHESAY BLEND

SAHARA BUFF

WOODSTOCK BUFF
PT452 WALNUT

ROMAN DIGNITA

STAFFORDSHIRE GOLDEN DRAGFACED
STAFFORDSHIRE SMOOTH GOLDEN
SWARLAND GOLDEN THATCH

BOURNEVILLE BLEND

HARVEST BUFF MULTI

LEAMINGTON BUFF MULTI

TAWNY BUFF
WARM GOLDEN BUFF
WILLOWED BUFF MULTI

Available in 65mm and 54mm

Available in 65mm and 73mm
Yellow & Yellow Multi

OLDE ALTON YELLOW MULTI

ANDANTE GOLDEN BUFF
BROOKHURST YELLOW MULTI
HAMPSTEAD YELLOW
HURSTWOOD MULTI
MAYFIELD YELLOW
OLDE ALTON YELLOW MULTI
RETRO LONDON STOCK
RETRO MAYFAIR STOCK
SHEERWATER SILVER YELLOW STOCK
SMEED DEAN BELGRAVE YELLOW STOCK
SMEED DEAN DOCKLANDS YELLOW MULTI
SMEED DEAN GREENWICH YELLOW MULTI RUSTICA
SMEED DEAN ISLINGTON YELLOW RUSTICA**
SMEED DEAN LONDON STOCK***

**Available in 65mm and 68mm
***Available in 50mm, 65mm and 68mm

For our complete range of facing bricks, roof tiles & paving visit
www.wienerberger.co.uk
Check out our newly extended range of quality clay paving at www.wienerberger.co.uk/landscapes

**Available in 65mm and 68mm
Cream & Cream Multi
STOCK/WIRECUT

Have you experienced Porotherm, our innovative clay block wall system? Check it out at www.porothermdiscoveryhub.co.uk

Product Focus
Baggeridge Blues
STOCK/WATERSTRUCK/WIRECUT

GRANITE BLUE DRAGFACED

BLUE ENGINEER†
CLASSIC BLUE MULTI
GRANITE BLUE DRAGFACED

STAFFORDSHIRE BLUE DRAGFACED
STAFFORDSHIRE SMOOTH BLUE
TELFDORD BRINDLE

STAFFORDSHIRE SMOOTH BLUE

*Available solid or perforated
†Available in 65mm and 73mm

Product Focus
Brown, Black, Grey & White
STOCK/WATERSTRUCK/WIRECUT

- Forum Brown
- Forum Charcoal
- Pagus Brown/Black
- Broadway Dark Multi
- Hectic Black
- PT449 Carbon
- Roman Black Waterstruck
- Flashed Black
- Galactic Black (288 x 108 x 54 mm)

- Heartland Brown Multi†
- Latero Sepia
- Roman Maestra
- Swarland Black†
- Eastfield Grey
- Forum Chrome

- Roman Optima
- Staffordshire Brown Dragfaced
- Staffordshire Smooth Brown
- Forum Grey
- Forum Smoked Branco
- Forum Smoked Cromo

- Swarland Autumn Brown Sandfaced†
- Swarland Dark Brown†
- Graphite Black (210 x 100 x 65 mm)
- Forum Smoked Prata
- Melton Grey
- Pagus Grey

†Available in 65mm and 73mm
×Available in 65mm and 54mm
Brown, Black, Grey & White
STOCK/WATERSTRUCK/WIRECUT

Check out our newly extended range of quality clay paving at www.wienerberger.co.uk/landscapes

Available in 65mm and 54mm
Wienerberger provides the widest range of waterstruck bricks available in the UK, with an extensive choice of colours and sizes available.

Using a traditional softmud process, wet clay is pressed into moulds lubricated with water. Excess clay is then struck from the top of the moulds, hence the term ‘waterstruck’. This produces a distinctive natural texture and a striking rustic aesthetic unachievable through any other process.

The inimitable finish can add real character to buildings, while our extensive choice of colours provides outstanding versatility. The combined result is a brick range that is synonymous with premium quality and an upmarket aesthetic.

The Waterstruck Range
For a traditional, weathered finish like no other.
The Waterstruck Range
TRADITIONAL, WEATHERED, FINISH

- LATERO AVORIO
- BROADWAY DARK MULTI*
- HEARTLAND BROWN MULTI
- LATERO SEPIA
- PT449 CARBON
- CLIFTON GREY MULTI*
- PT447 FLINT
- PT450 IRON
- PT445 WHEAT
- CLIFTON GREY MULTI
- WT251 TINCOBLET

*Available in 65mm and 50mm

Have you experienced Porotherm, our innovative clay block wall system? Check it out at www.porothermdiscoveryhub.co.uk

The Roman Range

- ROMAN ANDREAS
- ROMAN BLACK WATERSTRUCK
- ROMAN DIGNITA
- ROMAN FORTUNA
- ROMAN GREY WATERSTRUCK
- ROMAN MAESTRA
- ROMAN OPTIMA
- ROMAN PATRICE
- ROMAN PRISMA
- ROMAN RED WATERSTRUCK
Imperial Range - 73MM

WATERSTRUCK/WIRECUT

- Autumn Russet
- Oast Russet Sovereign Stock
- Reclaimed Shire Stock
- Autumn Rustic
- Chester Red Blend
- Mulcol
- Oakwood Multi
- Old Weatherfield Blend
- Russet
- Sandblasted Buff
- Swarland Autumn Brown
- Swarland Black
- Swarland Dark Brown
- Swarland Golden Thatch
- Swarland Purple
- Swarland Red

*Also available in 65mm

Download the Wienerberger UK app today for easy-access to our complete range of bricks!
Imperial Range - 50MM, 54MM & 68MM
STOCK/WATERSTRUCK/WIRECUT

Product Focus

KASSANDRA MULTI

ELIZABETHAN LIGHT BRONZE MULTI - 50MM*

FORUM CHROME - 50MM*

FORUM GREY - 50MM*

GEORGIAN DARK BRONZE MULTI - 50MM*

OLDE CHESHI Re RED MULTI - 50MM*

OLDE MELFORD - 50MM

SMEED DEAN LONDON STOCK - 50MM*

SUPER WHITE - 50MM*

ASHLEY RED MULTI - 50MM*

BROADWAY DARK MULTI - 50MM**

CLIFTON GREY MULTI - 50MM*

ARGENTI WHITE SANKED - 50MM*

AVENUE SMOOTH BLACK - 50MM*

AVENUE SMOOTH ORANGE - 50MM*

AVENUE SMOOTH RED - 50MM*

PT445 WHEAT - 54MM*

GRAPHITE BLACK - 50MM*

MARZIALE - 50MM*

MOZART BLEND - 50MM*

PT447 FLINT - 54MM**

PT449 CARBON - 54MM*

For our complete range of facing bricks, roof tiles & pavers visit www.wienerberger.co.uk

*Also available in 65mm

**Also available in 50mm, 65mm and 68mm
Product Focus

Imperial Range - 50MM, 54MM & 68MM
STOCK/WATERSTRUCK/WIRECUT

SMEED DEAN ISLINGTON YELLOW RUSTICA - 65MM*

SMEED DEAN LONDON STOCK - 68MM*

SMEED DEAN WEATHERED YELLOW STOCK*

SMEED DEAN ISLINGTON YELLOW

Engineering Bricks

HIGH QUALITY ENGINEERING BRICKS THAT STAND THE TEST OF TIME.

As well as over 450 facing bricks we also have a great range of engineering bricks. In fact our engineering bricks are considered by many as the best in the market.

The combination of our high quality red Class B engineering bricks and our range of Baggeridge Blues makes our offering second to none.

The high compressive strength and low water absorption properties and guaranteed durability of engineering bricks makes them ideal for use below ground level and damp proof courses.

<table>
<thead>
<tr>
<th>TYPE</th>
<th>LOCATION</th>
<th>SIZE TOLERANCE</th>
<th>DURABILITY</th>
<th>COMPRESSION STRENGTH (MPa)</th>
<th>WATER ABSORPTION (%)</th>
<th>PACK QUANTITY</th>
<th>TYPICAL PACK WEIGHT (kg)</th>
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<tbody>
<tr>
<td>Blue Engineer Perforated (K10965p)</td>
<td>Kingsbury</td>
<td>T2, R1</td>
<td>F2</td>
<td>S2</td>
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<td>≤7</td>
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<td>Kingsbury</td>
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<td>F2</td>
<td>S2</td>
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<tr>
<td>Blue Engineer Solid - Class A</td>
<td>Kingsbury</td>
<td>T2, R1</td>
<td>F2</td>
<td>S2</td>
<td>≥75</td>
<td>≤7</td>
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<tr>
<td>Blue Engineer Solid (K10965s)</td>
<td>Kingsbury</td>
<td>T2, R1</td>
<td>F2</td>
<td>S2</td>
<td>≥75</td>
<td>≤7</td>
<td>400</td>
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<tr>
<td>Red Class B Engineer</td>
<td>Fortuni</td>
<td>T2</td>
<td>R1</td>
<td>F2</td>
<td>S2</td>
<td>≥75</td>
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<tr>
<td>Red Class B Engineer</td>
<td>Kingsbury</td>
<td>T2</td>
<td>R1</td>
<td>F2</td>
<td>S2</td>
<td>≥75</td>
<td>≤7</td>
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<tr>
<td>Red Class B Engineer</td>
<td>Sandown</td>
<td>T2</td>
<td>R1</td>
<td>F2</td>
<td>S2</td>
<td>≥75</td>
<td>≤7</td>
</tr>
<tr>
<td>Red Class B Engineer Solid</td>
<td>Kingsbury</td>
<td>T2</td>
<td>R1</td>
<td>F2</td>
<td>S2</td>
<td>≥75</td>
<td>≤7</td>
</tr>
<tr>
<td>Red Class B Engineer 73mm</td>
<td>Denton</td>
<td>T2</td>
<td>R1</td>
<td>F2</td>
<td>S2</td>
<td>≥75</td>
<td>≤7</td>
</tr>
</tbody>
</table>

S = Stock  Wa = Waterstruck  W = Wirecut  H = Handmade

*Also available in 65mm  **Also available in 50mm, 65mm and 68mm
MANUFACTURED AT OUR DENTON FACTORY, WE ARE DELIGHTED TO HAVE INTRODUCED THE SWARLAND RANGE TO OUR EVER GROWING BRICK OFFERING

The range has been specifically designed for the repair, maintenance and improvements (RMI) market, particularly across the North of England and the Midlands. Due to its close colour match, our range is perfect for extensions and refurbishments of existing buildings built from the original Swarland bricks.

The Swarland Range
Ideal for repair, maintenance & improvement projects

† Available in 65mm & 73mm
**Megaline Range**

**Product Focus**

**WIRECUT**

The Megaline range is manufactured using an extrusion process that gives the bricks a very precise shape. Available in 288 x 88 x 48 mm format in four colours, the Megaline range offers architects and designers a clean, crisp, contemporary aesthetic design option for their projects.

**MEGALINE LIGHT RED**

**COLOUR FUSION RANGE**

A CHOICE OF CONTEMPORARY COLOURS FOR COMPLETE CREATIVE FREEDOM.

Anything is possible with our bespoke palette mixing options. Our unrivalled Colour Fusion range brings you a lasting, durable, visually appealing range of glazed bricks available in any RAL colour you desire.

**SUBTLE, OUTSPOKEN, VIVID:**

Colour Fusion offers an artist’s palette of opportunity for you to make your next architectural project stand out from the crowd. From blank canvas to masterpiece, grasp the spirit of innovative design with Colour Fusion.

We invite you to be creative, expressive and inspired.

**AVAILABLE IN**

215 x 102.5 x 65mm

Bespoke sizes, shapes and glazed surfaces to match any RAL colour reference are available to order.

**The Megaline range**

**WIRECUT**

**MEGALINE LIGHT RED**

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SPECIAL SHAPED BRICKS

RESHAPING THE SPECIALS MARKET THROUGH PRODUCT AND SERVICE INNOVATION.

Special shaped bricks can significantly enhance the aesthetics of a project by providing architects and designers with the freedom to create distinctive buildings. They can also add extra durability and protection to brickwork, cut build times, reduce waste and help to address the skills shortage.

Wienerberger has dedicated special shaped bricks production facilities across the UK, providing national coverage for all specials requirements. All British Standard shapes are available as purpose-made or cut-and-bonded options across our market-leading range of facing bricks.

THE ESSENTIAL RANGE
With 52 profiles covering all the most popular British Standard special shaped bricks in Staffordshire Smooth Blue, Staffordshire Smooth Red and Warnham Red Stock, the Wienerberger Essential range offers a market-leading selection of readily available special shaped bricks, usually delivered within three working days.

BESPOKE SERVICE
For clients looking for something more unique, we also offer a bespoke special shaped brick service to meet individual requirements. Whatever you choose from our extensive range of special shaped bricks, every shape and every unit comes with the same guarantees as our standard brick range.

Another benefit of our bespoke cut-and-bonded special shaped brick range is that our pricing is all inclusive, saving our customers valuable time and money. One fee covers the cost of the initial bricks, the manufacturing of the special shape and even delivery to site, dependent on order quantities.

GUARANTEED QUALITY
All of our cut-and-bonded specials are produced with high quality adhesives and complementary sands, ensuring long-term performance and providing a perfect match for our standard facing brick range. Our production sites are also covered by an ISO 14001 Environmental Management System.

SMEED DEAN SPECIAL BRICKS
The Smeed Dean factory in Sittingbourne, Kent, has been operating since the 1800s, having perfected its traditional methods over time. Renowned as the sole producer of the London Yellow Stock, Smeed Dean can also tailor to your requirements and produce high-quality cut and bond bricks within a tight ten-day deadline.
INTRODUCING OUR PLATFORM ESPECIALLY FOR SPECIAL SHAPED BRICKS

WWW.SPECIALBRICKS.CO.UK

We understand that with hundreds of different special shapes in so many different profiles, choosing the right product for the job can be a difficult task, which is why we’ve created the Wienerberger special shaped bricks online platform.

This platform has been specifically designed to help you choose the right special shaped bricks for your projects. Whether your knowledge is expert or novice, our two online tools - the Special Brick Showhome and Special Brick Selector - will help you find exactly what you’re looking for.

Using the tools you can find out more about special shaped bricks, work out which ones you need and add them to your very own shortlist. Then simply submit your shortlist, generate an enquiry and we’ll be in touch to discuss your requirements.

FREE DELIVERY AVAILABLE

As well as helping our customers find the right product for their needs we will also deliver free of charge on orders of 400 specials or more.

To request your free copy of the Wienerberger special shaped bricks brochure, visit www.specialbricks.co.uk
Wienerberger offer the widest range of bricks in the UK, but we recognise that a core selection of special shaped bricks are always required by our customers. That is why we have created the Essential range.

The Essential range offers a market leading selection of readily available special shaped bricks, usually delivered within three working days.

With 52 profiles covering all the most popular British Standard specials in Staffordshire Smooth Blue, Staffordshire Smooth Red and Warnham Red Stock, now it’s easy for builder’s merchants to stock a comprehensive range of the most popular special shaped bricks, and for builders to create the look they want without facing extended lead times.
Product Focus

Essential Range

SMOOTH BLUE

BD.1.3 Standard Brick Faced On Bed

BD.4 Stop End

BN.1 Single Bullnose

BN.2 Double Bullnose

BN.5 Single Bullnose Header On Flat

BN.6 Single Bullnose Stretcher On Flat

BN.10.1-4 Bullnose External Return On Edge

BN.11.1-2 Bullnose External Return On Flat

BN.15.3-4 Stop End To Double Bullnose

BN.19.1-2 External Return To Double Bullnose

Indicates standard face matched to brick type. Where additional faces are required, please liaise with our Design Services Department. Please note that Special Shaped Bricks may be solid, perforated or frogged unless specified otherwise.
Essential Range

CP.2.2 Saddleback Capping

CP.1.2 Half Round Capping

PL.3 Plinth Stretcher

PL.4 Plinth Internal Return

PL.1 Plinth Or Cant Stop

PL.2 Plinth Header

PL.5 Plinth Internal Return

PL.7 Plinth External Return

TRAINING & SUPPORT

We understand that with hundreds of different special shapes and profiles to choose from, selecting the right one for the job can be a daunting task. Expert advice is available from our dedicated Specialist Products Team in our Customer Service Department and our Design Services Team.

We also offer Special Shaped Brick training which covers all you need to know when it comes to the Special Brick options available. For further details please contact marketing.uk@wienerberger.com or call 0161 491 8200.

SPECIAL SHAPED BRICKS

POINT OF SALE MATERIAL

A handy Specials Pocket Guide and poster make it easy to select the right product from our Essential Range. They provide technical drawings and detailed dimensions to assess the scope for Special Shaped Bricks on any new project. To request any of our point of sale material please contact marketing.uk@wienerberger.com or call 0161 491 8200.
Our range of off-site manufactured arches will add a decorative flourish to any build. Our customer focus means we supply products in the way that suits your project. All brick faced arches are manufactured to our high quality standards and are available with a variety of height, pattern, soffit, backing and infill options.

**BESPOKE AS STANDARD**

Our prefabricated arch range are available in any configuration to suit your project - just give us your specification and your brick choice and we’ll use our in-house CAD service to design you the perfect arch.

- **Precision** - Brick slips are precision-cut to ensure every arch is perfect
- **Choice** - Faced or soffit brick arches available on request
- **Efficient** - Saves valuable site resource and time; less expensive than a traditionally built arch
- **Easy to identify** - Delivered clearly labelled by plot and product
- **Heritage** - Restoration arches available for historic buildings or new builds with traditional styling

**FLAT GAUGE ARCH**

A typical flat arch suitable for all kinds of openings. Flat gauge arches usually have a brick and bat pattern between 3 and 5 courses high.

**SEGMENTAL ARCH**

Segmental arches are made up of a number of identical slightly angled bricks which form the shape of the arch when assembled. These arches typically have a rise of 75 or 150mm (1 or 2 courses).

Other Arch types available include Semi Circular, Semi-Raised Flat Gauge, Developer and Restoration Arches.

For more information on our prefabricated arches visit www.wienerberger.co.uk/arches
email us at: wbukspecials@wienerberger.com
or give us a call on: 0161 491 8200
**Product Focus**

**BRICK CLAD CHIMNEYS**

Quick to acquire, simple to install and cost-effective – our chimney solutions are designed to meet the visual and structural requirements of your housebuilding project, no matter the scale. Prefabricated in brick, we deliver our chimneys ready for pointing with lifting eyes pre-installed.

**CHIMNEY FEATURES**

Our Chimneys are available in any Wienerberger brick guaranteeing a perfect match with the rest of the build. Our manufacturing is carried out in factory conditions to the highest standards of quality control.

**10 YEAR WARRANTY**

Our Chimney products are supplied with a 10 year product warranty (please request full terms and conditions). They have undergone extensive testing by BBA and Lucideon to standards approved by NHBC, and our manufacturing partner, Brickfab, is a full member of the Construction Glassfibre Manufacturers Association; our chimneys have both BBA and CGMA accreditation as a result.

**BESPOKE WHEN REQUIRED**

Our chimneys can be produced to any size and shape; using the latest CAD technology our designers can work to your specifications to design your chimney.

**QUICK TO LIFT**

Supplied with removable/reusable lifting eyes for a simple crane lift to the roof

**PERFECT POTS**

Closed-top terracotta clay or GRP pots are available in different heights, in single or multi-pot configurations, in a range of colours.

**IN POSITION**

The chimney sits on the roof trusses, a few layers of felt and is then screwed and sealed in place. Reinforced trusses may be required.

**EASY INSTALL**

Lead fitting channels allow for a traditionally-styled lead dressing around the chimney.

**FINISHING TOUCH**

Can be manufactured in any brick or stone finish, or prepared for render, in any size, shape and style.

**CHIMNEY OPTIONS**

Our prefabricated chimneys are available as standard for 30°, 35°, 40° and 45° roof pitches and for mid-ridge, mono-pitch, gable ladder and gable end roof positions. Any roof position and pitch can be produced to order.

**LIVE CLASS CHIMNEY OPTIONS**

Our chimneys can be specified for Live Class 1 (for wood burning closed appliances) or Live Class 2 (for gas appliances). Please contact us for further details and information.

**POT OPTIONS**

Our chimneys can be supplied with a closed terracotta clay pot in either 300mm or 450mm height. Alternative pot styles and heights can be specified on request.

Stone clad and ready for render are available - contact us for further details.

For more information on our brick clad chimneys visit: [www.wienerberger.co.uk/chimneys](http://www.wienerberger.co.uk/chimneys)

email us at: wbukspecials@wienerberger.com

or give us a call on: 0161 491 8200
Product Focus

The use of brick slips is a growing trend in the UK, for both internal and external use. Whether it is for upgrading or improving the external façade of a building, creating feature walls within a home or an exposed brickwork look in a shop, office or pub, brick slips make it possible to achieve a wide range of styles from traditional to ultra-modern.

However, it can be difficult for a merchant to take full advantage of this opportunity due to the number of different suppliers that may need to be involved to provide everything you need to complete a successful brick slip project.

To help merchants solve this problem, Wienerberger is launching a complete brick slips package that makes it easy for merchants to source everything they need to offer their customers all from one supplier:

- A core range of 15 types of brick slips offering a variety of different looks
- Hundreds of additional brick slip options available – the widest available from any manufacturer
- Specially developed primer, brick slip adhesive and pointing mortars
- Convenient fixing and finishing Kits
- A range of tools and accessories

We’ve also developed a helpful ‘how-to’ video and handy pocket guide to help you show your customers how easy it is to use brick slips.

Brick Slips
Slip into any style with our market-leading range.

MEGALINE GREY

FLASSED BLACK
Brick Slips Range

For more information please visit brickslips.wienerberger.co.uk where you can watch our "How-To" video to see how easy it is to fit our Brick Slips.
Eco-habitats
Providing much-needed habitat for British wildlife.

Our bird and bat boxes provide durable and discrete habitats for British wildlife, increasing the biodiversity value of your project. We have partnered with EcoSurv, specialist ecological consultants, to provide the most comprehensive range of eco-habitats available on the market.

**OUR CORE RANGE INCLUDES:**
- The Habitat Bat Box
- The Swift Box
- The Starling Box
- The Sparrow Box

These eco-habitats can be created with any of our brick ranges, allowing the option of blending in with the existing brickwork, or using a contrasting colour to encourage wildlife habitation.

On top of our core range of brick eco-habitat boxes, we can also work with you to design and manufacture bespoke eco-habitat boxes, providing a choice of formats to suit individual requirements.

The range supports our commitment to improving the wellbeing of communities and promoting biodiversity beyond our own operations - considerations that set us apart in our industry.

For more information on our range of eco-habitats or to discuss your requirements, please email ecohabitats@wienerberger.co.uk
The Porotherm clay block walling system is extremely fast, virtually dry, safe and simple to use, immensely strong, environmentally friendly and efficient for stock holding and storage - a modern method of construction with reassuringly traditional values. All of this makes it the ideal option for the UK construction market.

The system is versatile and can be used in both load bearing and non-load bearing applications:
- Inner leaf of brick-faced cavity walls
- Inner and outer leaves of rendered cavity walls
- Infill panels within framed structures
- Partition walls and separating walls
- Single leaf external (monolithic) walls

With its lean laying process and rapid daily output, Porotherm brings cost and time-saving benefits throughout the build while its durability and thermal and acoustic efficiencies bring further advantages for decades to follow.

“Given my experience of using Porotherm on this very challenging build, I would have no doubts in using it in future projects for John Turner Construction Group LTD”.

Project Manager, Chris Murphy
FASTER
With no mortar needed in vertical joints and a minimal 1mm bed joint, the Porotherm system rises rapidly. An average of 30-40m² per man per day is easily achievable; much faster than traditional masonry.
Porotherm’s specialist ZeroPlus mortar can be used from 0°C and above, meaning that the projects can gain days/weeks extra in working time during winter.

DRIER
In comparison to traditional blockwork, Porotherm uses around 95% less water. In a typical 212m² building, concrete blocks will consume 1060 litres of water compared to just 72 litres for Porotherm.

STRONGER
The compressive strengths of the Porotherm core range are typically 10 N/mm², so one block fits the majority of requirements. As a result, there is no need to keep multiple blocks on-site, reducing the risk of wrong-block use and optimising storage space.

EFFICIENT
The thermal efficiency of the Porotherm system helps to regulate variations in temperature.
It also typically delivers just a 2% waste provision for blocks.

SAFER
Porotherm blocks are generally lighter than concrete (optimum weight under 11kg) allowing workers to maintain steady production rates without the risk of repetitive strain injuries.
Fire resistance is outstanding with all Porotherm having a Class A1 fire rating.

SUSTAINABLE
The innovative system achieves an A+ BREE Green Guide rating in external walls.
It provides a life expectancy of more than 150 years and the blocks are recyclable at end of life.
Finally, 30% of the raw materials used to make Porotherm are sourced from alternative, recycled or secondary sources.

PASSIVHAUS STANDARD
Because Porotherm provides exceptionally fast, virtually dry construction combined with high strength and thermal efficiency, it is an ideal solution for Passivhaus projects:
- Full range of Passivhaus u-values achievable from the basic 0.18W/m²K down to 0.07W/m²K
- Readily available materials that can be built up as a system without major design and long lead times
- Porotherm blocks retain their structural and thermal integrity over a very long life of 150 years+
- Zero shrinkage maintains the airtight efficiency of the building
- Expert technical advice and on-site support available

HELPING YOU TO MAXIMISE THE BENEFITS OF OUR SYSTEM.
To get the best from the Porotherm system it is important to understand the tools and materials that define the process. Assembly methods are easy to learn and the system can be laid extremely quickly to achieve a strong, accurate, high quality structure.

TRAINING AND SUPPORT
To help our clients get the maximum benefit from the system, together with our distribution partners we offer an extensive training and support service to assist you through the construction process.

FREE TRAINING
We have a network of purpose-built training and demonstration centres where we hold free training sessions. These sessions are designed to teach participants how to build with Porotherm and how to best achieve all of the benefits the system offers. Training sessions can easily be booked on our Porotherm Discovery Hub.

ON-SITE SUPPORT
To ensure your Porotherm build runs smoothly from the word go, we offer on-site consultation from the start of every project. Porotherm masons can be present on-site when work commences to offer best practice advice and continuing on-site training to operators if required.

TECHNICAL SUPPORT
We provide comprehensive technical and installation advice and a library of technical literature and key component details.

For more information on our Porotherm clay block walling system e-mail Porotherm@wienerberger.co.uk

OTHER PRODUCTS
Wienerberger's roof brand, Sandtoft, produces the largest and most innovative range of roof tile systems in the UK. Our extensive portfolio contains many unique and ground-breaking products, which means we can provide high performance and reliable roofing solutions that fit any budget or planning requirement.

Our range includes roofing products made from natural clay, concrete and recycled slate, covering virtually every design style from plain tiles to large format new generation tiles. You will also find a universal building integrated PV system plus a complete range of roofing accessories.

We have modern roof tile systems that reduce costs, installation time, and weight, plus traditional designs that respect different local and regional architecture. For more historic roof tile needs, our Heritage Service creates bespoke, handmade clay tiles for restoration and conservation projects.
Keymer is one of the oldest established roofing brands in the UK, crafting handmade tiles and fittings since 1588. The use of local, rich Wealden clay produces unique warm colours, textures and provides renowned durability.

The brand’s rich heritage continues to thrive as it moves for the fourth time to its new home in Ewhurst, where the same artisan approach and the same materials and method are still being used to this day.

Keymer tiles form a strong foundation for the heritage industry in the UK. It has two core product ranges and offers one of the only truly handmade tiles in Europe. The focus on maintaining the skills of the past whilst delivering a strong, long lasting clay roof tile means that every Keymer tile is a living piece of history.
Clay roofing can enhance the value of virtually any building. With its natural durability, sustainability and ability to improve with age, it’s also proven to enrich the built environment - adding value not only to buildings, but also to the surrounding area.

However, the benefits of clay roof tiles are by no means limited to roofing. Growing in popularity across mainland Europe, vertical or hanging tiles are a design trend to watch in the UK construction industry and a key area of focus for Wienerberger.

A roof tile is vertical or hanging when it is applied to surfaces with a pitch equal to, and, greater than, 75° from the horizontal. The versatility of the tile creates a stunning aesthetic result. As a façade, the natural features, colours, finish and format can bring a unique style to projects.

A wide range of Wienerberger roof tiles can be used as hanging or vertical tiles. Below are a few examples of tiles we would recommend for use as a wall façade.

- Sandtoft Village
- Sandtoft Alban Sussex blend
- Sandtoft Plain tile
- Sandtoft Oakwood
- Sandtoft Humber
- Koramic 303
- Koramic 301
- Keymer Traditional
- Keymer Shire
- Keymer Goxhill

For more information on our range of Sandtoft and Keymer roof tiles, visit www.wienerberger.co.uk/roof or call 0844 9395 900
Our high quality pavers are versatile and durable with colour that doesn’t fade over time. Visit our Pavers Technical Hub to access resources including paver datasheets, installation guides, NBS specifications and BIM Lab with access to free to download paver BIM objects.

**THINK CLAY, THE NATURAL CHOICE**

**DISCOVER ONE OF THE LARGEST RANGES OF CLAY PAVING AND ACCESSORIES IN THE UK.**

Wienerberger has created its Dutch collection to achieve a new and unique look in larger areas of urban paving. Wienerberger’s mixed reds, creams, greys and waterstruck blends offer designers a wider choice and scope when designing new landscapes.

**DUTCH COLLECTION**

Wienerberger has engineered an intriguing alternative to the standard paver: Slim Pave. Defined by its narrow proportions and waterstruck finish, it is a strong and durable paver which lends itself to running or herringbone bonds and provides distinct visual interest in any design scheme.

**WATERSTRUCK SLIM PAVE**

The traditional rectangular clay paver is both practical and versatile. The Penter range of chamfered pavers is renowned for its durability and distinctive colour selection, making it ideal for creating designs which harmonise or accentuate the landscape.

**CHAMFERED COLLECTION**

Be inspired for your next landscaping project with our texture generator and inspirational case studies. www.wienerberger.co.uk/resources/texture-generator
Sustainability in numbers

Wienerberger’s sustainability strategy targets resource efficient production, employee development and enhancing local communities. Here’s a snapshot of our achievements in 2016-17:

<table>
<thead>
<tr>
<th>14</th>
<th>factories have switched to a renewable electricity tariff</th>
</tr>
</thead>
<tbody>
<tr>
<td>16,000</td>
<td>bricks donated to Hull’s school children in landmark City of Culture project</td>
</tr>
<tr>
<td>10</td>
<td>community liaison meetings held</td>
</tr>
<tr>
<td>1ST</td>
<td>Modern Slavery Statement published</td>
</tr>
<tr>
<td>0</td>
<td>environmental incidents</td>
</tr>
<tr>
<td>8%</td>
<td>average recycled or secondary material content in our bricks</td>
</tr>
<tr>
<td>100%</td>
<td>of our UK production processes meet the requirements of the Responsible Sourcing standard BES 6001</td>
</tr>
<tr>
<td>3</td>
<td>management systems retained ISO certification: ISO 50001, ISO 14001, and ISO 9001</td>
</tr>
<tr>
<td>12</td>
<td>Wildlife Trusts supported</td>
</tr>
<tr>
<td>14</td>
<td>hours formal training per employee *</td>
</tr>
<tr>
<td>3%</td>
<td>decrease in CO₂ emissions *</td>
</tr>
<tr>
<td>16</td>
<td>apprentices at Wienerberger</td>
</tr>
</tbody>
</table>

Why Choose Clay?

UNDERSTANDING THE NATURAL MATERIAL BENEFITS.

At Wienerberger we passionately believe in the benefits of building with clay. For us, it is the ideal raw material for long lasting, low impact construction projects. At the forefront of our industry for over 5,000 years, the advantages of clay are many and varied, covering every aspect of modern building.

**ECONOMIC**
A building structure made of clay blocks can be constructed quickly, saving both time and money during construction. Due to the durability and stability of buildings comprising of clay materials, maintenance costs are low and assets typically achieve high resale values.

**VERSATILE**
Clay building materials can be used almost anywhere: walls, façades, roofs, gardens, terraces and open spaces. They’re also suitable for use within a range of projects, whether it’s the construction of family homes, apartment blocks, offices or public buildings.

**AESTHETIC**
With a range of colours from traditional hues of red and blue through to bold black and whites, it’s easy to create a unique project. The rough, smooth and glazed surfaces achievable with clay provide a variety of textures, while coloured mortar combinations enable endless design possibilities.

**NATURAL**
All our blocks, facing bricks, roof tiles and pavers are considered natural products because they consist mainly of two simple raw materials: clay and water. All our clay building components are free of VOC pollutants and allergens, promoting healthy indoor air quality.

YOUR ONLINE PLATFORM FOR BRICK DISCOVERY.

At Wienerberger we’re proud to offer customers the widest range of bricks available in the UK, but with hundreds of different colours, textures, styles and shapes to choose from, we recognise that it can be difficult to choose the right product.

So we launched Take A Closer Look, an innovative online platform providing an unrivalled view of selected products from our market-leading brick portfolio. Every few months, we’re putting a different range under the spotlight for you to see up close, in unparalleled detail.

TAKE A CLOSER LOOK.

For every featured range, you can learn the history of the product and the specific benefits from an aesthetic and performance perspective. The site also features case studies and a section for the latest Wienerberger brick innovations within the category.

It’s an online platform for brick discovery - helping everyone from architects to specifiers, developers, self-builders and merchants to explore the very latest industry trends and the very latest innovations from Wienerberger.

GALLERY
Use our high-definition viewer to see our selected brick ranges in fine detail

CASE STUDIES
See every range in situ, with truly inspirational projects from our customers

BACKGROUND
Discover the history and the manufacturing process behind each type of brick

WHAT’S NEW?
Browse the latest Wienerberger product innovations in each brick category

To Take A Closer Look at our latest featured range visit tacl.wienerberger.co.uk
The e4 brick house is an archetype for the future of UK housing. Developed alongside global engineering and design consultancy, ARUP - the organisation behind world-famous buildings such as the Sydney Opera House - it is a home designed to meet the needs of modern living: a fully realised, adaptable and award-winning housing solution.

Using our market-leading products and services, the e4 brick house takes a fabric first approach to sustainable design, creating a house that is both affordable and desirable - a sound long-term investment with low maintenance requirements.

It has been designed according to four founding principles - economy, energy, environment and emotion. Each has been embedded in the e4 brick house at every stage: from the architectural designs right through to the construction materials and methods:

KEY BENEFITS
• Developed to address the need for higher quality, affordable, sustainable housing in the UK
• A modern, affordable home that is being built today
• A fabric first approach
• Long-term cost and energy gains
• Range of typologies available
• BIM-ready
• Wienerberger provides support throughout the construction process from design to post-completion on-site training to operatives (if required)

For more information on our e4 concept please visit our website or email e4@wienerberger.co.uk
THE FOUR E’S

ENERGY
A house that focuses on the efficient use of energy, meeting the latest energy performance standards.

EMOTION
A house that people will want to live in. A house that not only provides flexibility and practicality, but also delivers a better quality of life.

ECONOMY
A house offering optimum build performance, while meeting market needs in an affordable, accessible way.

ENVIRONMENT
A house that minimises its environmental impact by using responsibly sourced, resource efficient materials and promoting low-impact living.

E4 AND BIM
Building Information Management (BIM) is central to the e4 brick house. All e4 brick house projects are managed to BIM Level 2, structuring the build process to encourage collaboration, as well as optimising time, resource and material efficiency.

BIM not only supports sustainable construction through the design, planning and build stages of an e4 brick house project, but also provides responsiveness and promotes efficiency through the operational lifespan of the property.

The e4 brick house has been designed to exemplify best practice in BIM, to push boundaries and to showcase the full extent of what can be achieved through digital construction in the UK housing sector.

E4 SHOWHOUSE AT BRE INNOVATION PARK
Launched in summer 2015, the first full execution of an e4 brick house was at the BRE Innovation Park in Watford. The property was built to test the buildability and performance of the e4 concept.

The pilot property is complete with the innovative e4 monitoring system, which tracks energy use and detects performance issues immediately. As well as core e4 requirements such as large windows that deliver an internal daylight factor significantly exceeding modern standards, the house also features solar panels providing renewable energy.

ARRANGING A VISIT
The flagship property also provides a showhome for prospective developers and housing associations.

To arrange your free official tour of the world’s first e4 brick house at the BRE Innovation Park, simply visit www.wienerberger.co.uk/e4house

THE E4 APP
At Wienerberger we believe that the e4 brick house represents a completely new way to build. So to showcase our housing concept, we created the e4 app - a completely new way to discover the benefits of building with our innovative solution.

Using interactive 3D visualisations, the e4 app enables you to explore the design and material components of e4 houses. You can select and change different products such as bricks and roof tiles, and at the same time view the relevant building information modelling (BIM) details for each component.

To download the app, search “e4 app” using the App Store for Apple devices or Google Play for all other devices.
Design Services

SPECIALIST DESIGN, TECHNICAL EXPERTISE

Wienerberger’s Design Services Department offers specialist design and technical expertise, providing effective and helpful advice to achieve successful brickwork.

The services offered range from guidance on the most appropriate product selection for particular projects and applications through to final product specification including current building standards and codes of practice, special shaped bricks, bond patterns, movement joints and brickwork detailing.

A comprehensive knowledge of special shaped bricks combined with the use of CAD software enables us to assist in detailing customer requirements where Wienerberger bricks have been specified.

For more information contact Design Services at design.uk@wienerberger.com
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### Hull & Purfleet

- **Silver Yellow Stock**: 39 S Hull & Purfleet T1 R1 F2 S2 ≥25 ≤12 528 1285
- **Shinple Blend**: 28 W Ewhurst T1 R1 F2 S2 ≥60 ≤10 400 903
- **Sienna Red**: 29 W Ewhurst T2 R1 F2 S2 ≥60 ≤10 400 903
- **Stow Maries**: 48 S Hull & Purfleet T1 R1 F2 S2 ≥20 ≤8 528 1300
- **Tinbridge**: 45 S Hull & Purfleet T1 R1 F2 S2 ≥20 ≤8 528 1300
- **Titan**: 29 W Sandown T2 R1 F2 S2 ≥40 ≤10 500 839
- **Tobago Red**: 29 W Sandown T2 R1 F2 S2 ≥40 ≤10 500 839
- **Tinsley Cream Gift Stock**: 43 S Waresley T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Titan Multi Gift Stock**: 38 S Waresley T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Tudor Red Multi**: 39 W Ewhurst T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Walesy Orange Stock**: 39 S Waresley T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Walesy Red Stock**: 48 S Waresley T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Walesy Golden Silver**: 47 S Waresley T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Warrin Red Stock**: 24 S Warrin T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Warrin Terracotta Stone**: 31 S Warrin T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Weathered Gault Blend**: 35 S Hull & Purfleet T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Western Orange Multi**: 31 S Tinhurst T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Whitby Red Multi Rustica**: 24 S Hull & Purfleet T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Witton Multi Stock**: 31 S Tinhurst T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Woodhill Golden Multi**: 31 W Denton T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Woodland Mix**: 24 W Tinhurst T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Woolstone Buff**: 36 S Hull & Purfleet T2 R1 F2 S2 ≥21 ≤18 500 1174
- **WT211 Tinciplet**: 40 W Hull & Purfleet T1 R1 F2 S2 ≥21 ≤18 500 1174
- **WT212 Tinciplet - Danish Format**: 40 W Hull & Purfleet T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Yellow Gift Stock**: 41 S Waresley T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Yellow Multi Gift Stock**: 41 S Waresley T2 R1 F2 S2 ≥21 ≤18 500 1174
- **S = Stock, Wa = Waterstruck, W = Wirecut, H = Handmade**

### Smeed Dean Docklands

- **Shipley Blend**: 28 W Ewhurst T2 R1 F2 S2 ≥60 ≤10 400 903
- **Yellow Stock**: 40 S Smeed Dean T1 R1 F2 S2 ≥15 ≤22 500 982
- **Yellow Multi Rustica**: 39 S Smeed Dean TM RM F2 S2 ≥15 ≤22 400 818
- **Yellow Multi**: 40 S Smeed Dean T1 R1 F2 S2 ≥15 ≤22 400 818
- **Yellow Multi End Multi**: 39 S Smeed Dean TM F2 S2 ≥15 ≤22 400 818
- **Yellow Multi Weathered**: 40 S Smeed Dean T1 R1 F2 S2 ≥15 ≤22 400 818
- **Yellow Multi Gift Stock**: 31 S Waresley T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Sheerwater Silver Yellow Stock**: 25 W Hartlebury T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Smoked Orange Multi Stock**: 46 W Kingsbury T2 R1 F2 S2 ≥60 ≤10 400 903
- **Smoked Russian Sovereign Stock**: 25 W Hartlebury T1 R1 F2 S2 ≥21 ≤18 500 1174
- **Smoked Yellow Multi Gift Stock**: 40 S Waresley T2 R1 F2 S2 ≥21 ≤18 500 1174
- **Somerset Mutti**: 29 W Ewhurst T2 R1 F2 S2 ≥60 ≤10 400 903
- **St Albans Orange Multi Stock**: 31 S Hull & Purfleet T2 R1 F2 S2 ≥21 ≤18 500 1174
- **St Ives Cream Rustica**: 43 S Hull & Purfleet TM RM F2 S2 ≥12 ≤18 500 1174
- **St Johns Handmade**: 29 H Hull T2 R1 F2 S2 ≥25 ≤18 450 1255
- **Staffordshire Blue Dragfaced**: 45 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Brown Dragfaced**: 46 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Cream Dragfaced**: 43 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Golden Dragfaced**: 47 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Red Dragfaced**: 29 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Smooth Blue**: 46 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Smooth Blue Solid**: 45 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Smooth Brown**: 46 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Smooth Cream**: 43 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Smooth Crimson**: 29 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Smooth Golden**: 37 W Kingsbury T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Staffordshire Smooth Red**: 29 W Sandown T2 R1 F2 S2 ≥75 ≤7 400 1044
- **Stamford Washed Buff**: 35 S Hull & Purfleet T2 R1 F2 S2 ≥30 ≤20 640 1407
- **Sunset Red Multi**: 29 W Hartlebury T2 R1 F2 S2 ≥35 ≤15 430 857
- **Super White**: 49 S Hull & Purfleet T1 R1 F2 S2 ≥25 ≤12 528 1285
- **Tea Grey Orange Multi Stock**: 46/11 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tea Grey Frame**: 47/11 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tea Grey Dark Brown**: 46/11 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tea Grey Golden Thatch**: 37/11 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tea Grey Punt**: 39/11 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tea Grey Purple Sandfaced**: 39/11 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tea Grey Red Sandfaced**: 39/11 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tea Grey Multi**: 39 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tea Grey Multi**: 39 W Denton T2 R1 F2 S2 ≥40 ≤12 400 860
- **Tabasco Red Multi**: 29 W Hartlebury T2 R1 F2 S2 ≥35 ≤15 430 857
- **Tawny Buff**: 37 W Waresley T2 R1 F2 S2 ≥25 ≤16 500 1043
- **S = Stock, Wa = Waterstruck, W = Wirecut, H = Handmade**
### ENGINEERING BRICKS

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