



**Ibstock**  
At the heart of building

# GEMINI<sup>®</sup> THE ORIGINAL TWIN TILE

CLICK TO FIND OUT MORE [>](#)

**WE ARE**  
Roofing and more.



# CONTENTS

WE ARE at the heart of building

**03**

Ibstock – at the very heart of construction

**04**

This is only half the story

**05**

An aesthetic to suit your project

**07**

Double cambered interlocking plain concrete tile

**08**

Reducing laying time is only half the story

**11**

Increased manufacturing to meet demand

**12**

Reducing environmental impact

**13**





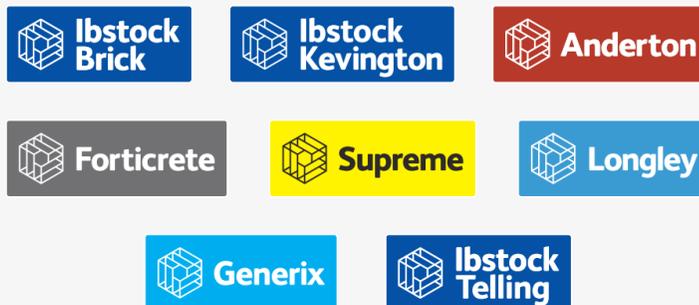
# WE ARE

at the heart of building.

We offer a diverse range of building products, solutions and expert technical and design services that enable our customers to create inspirational spaces and places.

Everything we do revolves around our valued customers and we continuously strive to exceed their expectations. We pride ourselves on leading for new, innovative and sustainable products and solutions, both for today and for a new era of building.

**WE ARE at the heart of building. WE ARE Ibstock.**



## Design and Technical Services

We are committed to providing the best possible design and technical support to our customers. From expert advice to a sector-leading training and CPD provision, Ibstock's range of design and technical services are especially configured to give architects and specifiers the access to the support they need at every stage on their project journey – from concept to build.





# IBSTOCK. AT THE VERY HEART OF CONSTRUCTION.

At Istock, we are proud to be a business that sits at the very heart of the building and construction supply chain, as one of the UK's leading manufacturers of building products.

## ENSURING CUSTOMER SATISFACTION IS OUR NO.1 PRIORITY

It is our aspiration to **support our customers** as they develop homes and spaces that inspire people to work and live better.





# GEMINI® THIS IS ONLY HALF THE STORY...

With the advancement of key building technologies setting the pace of the industry through a desire for efficiency, sustainability and lower costs, you won't find many products on a new building today that you would have found 25 years ago. Gemini® is the exception.

Since its conception as the first ever Flat Thin leading edge Twin Plain tile in 1995, Gemini® has undergone two redesigns that have ensured its **usefulness** and **popularity** among housebuilders, architects and contractors. Known as the original twin tile, Gemini® is a true **innovation** in roof tile design, with its double camber technology giving the appearance of **two traditional plain tiles** when laid.





# GEMINI® THIS IS ONLY HALF THE STORY...

An invention that has changed the foundations of roof tiling and has since received a Queen's Award for Enterprise – Innovation being the only twin tile to currently hold the accolade.

Whether residential or commercial, building projects face new and difficult challenges on an ongoing basis. Labour and time issues are two in particular that can cause developers big problems and become costly. That is why contractors and developers are turning to **innovative roofing solutions** such as Gemini®, that proactively assists them in achieving a greater rate of building without compromising on **quality, sustainability and aesthetics.**





# GEMINI® – AN AESTHETIC TO SUIT YOUR PROJECT

Gemini® smooth design roof tiles deliver an ideal finish for developers to provide their project with outstanding aesthetics. To complete the look for your development, there are seven colours of tile to choose from.

Pre-blended options include **mixed russet** and **sunrise blend**, while originals such as **red, brown** and **grey** are available. Each option is designed to provide housebuilders and commercial property developers with choice for their project, offering a **solution to aesthetics** whether they're desired or required in order to fit in with local community standards and appearances.





# GEMINI®

DOUBLE CAMBERED INTERLOCKING PLAIN  
TILE APPEAL AT PITCHES DOWN TO 22.5°



Scan the QR code for instant  
access to our Gemini® products

## WHY CHOOSE GEMINI® VERSUS PLAIN TILES?

- Full fixing specifications available from [ibstock.co.uk](http://ibstock.co.uk)
- A full range of maintenance free, mechanically fixed accessories and concrete fittings are available
- Appearance of a traditional plain tile when laid
- Only 16.23 tiles per m<sup>2</sup>
- 20% Labour savings compared to plain tiles
- 3/4 Width tiles available to achieve broken bond pattern
- Lays to lower pitches – 22.5° (Plain tiles 35°)
- Thin leading edge
- Ibstock designed range of dry fix fittings complement gemini roof tiles and exceed British Standard requirements
- Conforms to BS EN 490
- 60 Year product integrity guarantee

## COLOUR RANGE

This tile contains a 30% reduction in  
materials eCO<sup>2</sup> compared to original mix



SUNRISE BLEND



MIXED RUSSET



RED



GREY



BROWN





# GEMINI®

DOUBLE CAMBERED INTERLOCKING PLAIN  
TILE APPEAL AT PITCHES DOWN TO 22.5°

## TECHNICAL DATA

<b>Overall Length</b>	270mm
<b>Hanging Length</b>	243mm
<b>Overall Width</b>	337mm
<b>Cover Width</b>	316mm
<b>Mass (approx.)</b>	2.8 kg

## PITCH RANGE

### 22.5° - 29.5°

<b>Headlap</b>	80mm min	95mm max
<b>Batten Spacing</b>	190mm max	175mm min
<b>Batten Required</b>	5.26 lin m/m <sup>2</sup>	5.71 lin m/m <sup>2</sup>
<b>Tiles/m<sup>2</sup></b>	16.66 /m <sup>2</sup>	18.08 /m <sup>2</sup>
<b>Weight kg/m<sup>2</sup></b>	47.47 kg/m <sup>2</sup>	51.54 kg/m <sup>2</sup>

### 30° - 70°

<b>Headlap</b>	75mm min	95mm max
<b>Batten Spacing</b>	195mm max	175mm min
<b>Batten Required</b>	5.13 lin m/m <sup>2</sup>	5.71 lin m/m <sup>2</sup>
<b>Tiles/m<sup>2</sup></b>	16.23 m <sup>2</sup>	18.08 m <sup>2</sup>
<b>Weight kg/m<sup>2</sup></b>	46.25 kg/m <sup>2</sup>	51.54 kg/m <sup>2</sup>

## BATTEN SIZE RECOMMENDED

50 x 25mm for spans up to 600mm  
(Fixed in accordance with current British Standard BS5534)

## NAIL SIZE

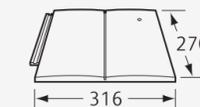
45mm x 3.35mm aluminium or stainless steel ring shank nails depending on fixing specification

## TILE DESIGNATION

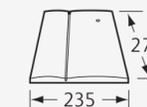
T-EN 490-IL-0-RF-316-/-/-243-2,8

The maximum rafter length should not exceed 9m without consulting the Ibstock Technical Department

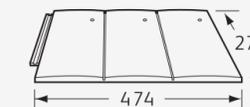
Ibstock recommend the use of positive ventilation in roof spaces in accordance with the Current British Standard BS 5250 – Control of Condensation in Buildings



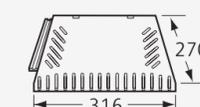
Gemini Tile



Left and right hand 3/4 Verge Tile



Tile and Half

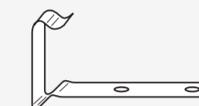


Tile Vent

(Available as Air or Soil Vent Kit)



Tile Clip



Verge Clip





Possessing the appearance of a ***traditional plain tile*** when laid is one of the many reasons Gemini<sup>®</sup> has proved so popular.





# REDUCING LAYING TIME IS ONLY HALF THE STORY



## 16.3

Requires just 16.3 tiles per m<sup>2</sup> as opposed to 60 for plain tiles.



## SAVE

Cheaper and quicker to lay in comparison to other plain tile versions.



## SPEEDY

Tile size ensures greater roof area covered per load delivered.



## 20%

Fixing labour savings compared to other plain tile versions.



## +30%

Almost a third in reduction of weight to its competitors.



## 16MM EDGE

Along with its thin leading edge of just 16mm and double camber design



## NEW MIX

Our new Gemini roof tile mix contains 30% less eCO<sub>2</sub> compared to the original tile mix



## 22.5° PITCH

Ability to lay lower pitches at 22.5° opposed to 35° offered by plain tiles





# INCREASED MANUFACTURING TO MEET DEMAND

## COMMITTED TO ENHANCING OUR PERFORMANCE

As part of Istock's commitment to delivering customer service excellence, we are always looking at ways that we can enhance our operational performance and efficiencies to exceed the demands of the UK market.

We understand that our role in the supply chain is about ensuring our customers have **access to the right products**, at the right place when they need them. This is why we are constantly reviewing our processes, which has included **significant investment** towards the Gemini® range.

## IMPROVING PRODUCTION

In its earlier years, Gemini® sales success swiftly overtook production capabilities, so, backing the product and its potential for longevity, the decision was made to relocate to a new facility, which is now one of the largest roof tile plants in the world, down the road from the original manufacturing facility in Leighton Buzzard.



### Advanced output

This relocation greatly improved production capabilities thanks to investment in state-of-the-art robotic and automated machinery, allowing Istock to meet any and all increases in demand.



### Product redesign

The facility also enabled a further redesign of the Gemini® product, which is the version used today, providing a much stronger interlock and increase in general strength and size.



### Product demand

The demand for Gemini® continues to grow with more than 6million tiles being used in Kent and East Sussex alone, so far.





# REDUCING ENVIRONMENTAL IMPACT IS ONLY HALF THE STORY

Environmental and sustainability considerations are increasing in prominence as new developments in both housing and commercial properties continue to 'go greener' in order to meet regulations and offer an environmentally friendly building.

This is where Gemini® excels, as while larger in size, it is also **lighter in weight** than both single plain tiles and its double tile competitors enabling it to offer environmental benefits that the others can not. Gemini® requires less tiles to complete a waterproof envelope and the **reduction in demand for raw materials** this provides, leads to less quarried aggregate used in comparison to both plain concrete and clay roof tiles.





# REDUCING ENVIRONMENTAL IMPACT IS ONLY HALF THE STORY

Other key environmental considerations of Gemini® include: fewer tiles needing to be transported to site, less raw materials extracted, less packaging, fewer pallets used, lighter haulage loads and an overall reduction in the number of trucks needed on the road to distribute the product.\*

\*Compared to traditional plain tiles.





For more information or to discuss your project requirements, please call us on **01909 775 000** or email [\*\*roofing@ibstock.co.uk\*\*](mailto:roofing@ibstock.co.uk)

