



# THE IBSTOCK ROOFING RANGE

CLICK TO FIND OUT MORE

**WE ARE**Roofing and more.





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.



















Facade Systems

Roofing

Flooring and Lintels

Staircases and Lift Shafts

Fencing and Landscaping

**Retaining Walls** 

Rail and Infrastructure



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.

































# **SUSTAINABILITY:** THE KEY TO ALL **OUR FUTURES**

We are extremely conscious about our environmental impact and are taking steps to build a sustainable future.

Our guiding purpose is to build a better world by **being at the** heart of building. To help achieve this, we have developed an environmental, social and governance strategy that highlights how we are working towards our goals and ambitions.

Central to this ESG strategy are three guiding promises:



## **WE WILL ADDRESS CLIMATE CHANGE**

Decarbonise our products, processes and supply chain by focusing on carbon reduction, water efficiency and biodiversity gains.



#### **WE WILL IMPROVE LIVES**

Build our social value by investing in our people, our culture and our communities.



#### WE WILL MANUFACTURE MATERIALS FOR LIFE

Evolve our products, processes and services by incorporating whole life cycle design.







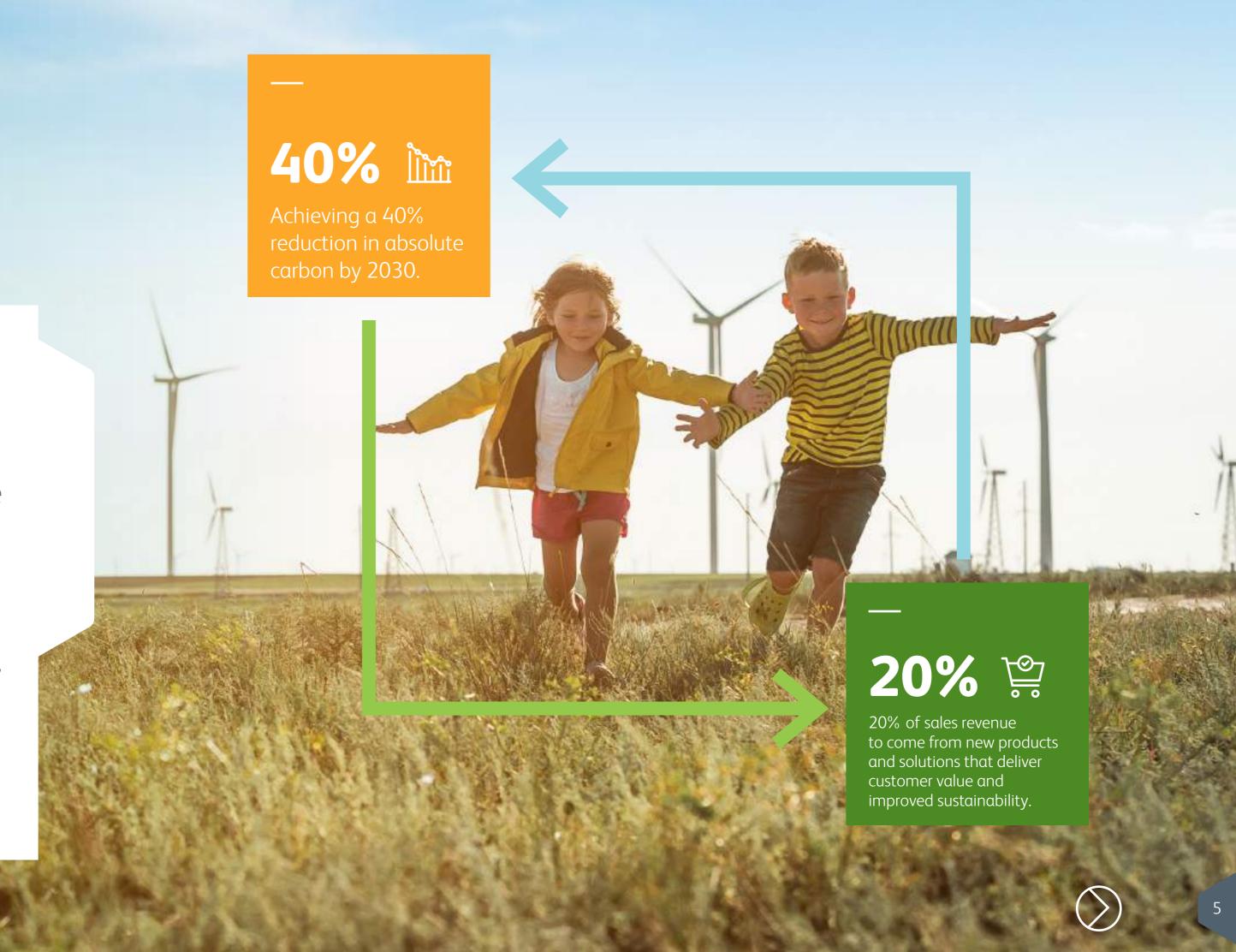


# SUSTAINABILITY: THE KEY TO ALL **OUR FUTURES**

In the last decade we've invested £150 million in sustainable performance, implementing decarbonisation measures, production efficiencies and transformational technologies that reduce the carbon intensity and environmental impact of our operations and products, whilst accelerating our journey to Net Zero.

We are committed to supporting the Government's ambition to deliver new homes and infrastructure that are fit for the future, and continually work to enhance our product portfolio.

As a category, Ibstock Roofing is committed to innovating our products and processes to ensure they are as **sustainable** as possible. This includes the enhancement of our SL8 roof tile, a game-changing improvement that has significantly less embodied carbon compared to the previous generation.





OUR ROOFING RANGE:

## **CONCRETE TILES**

Lower embodied carbon products enable housebuilders to meet carbon reduction targets through their choice of materials used on a building.

Concrete roof tiles are a durable and **lightweight alternative** to natural clay and slate roof tiles, combining affordability and authentic appearance. For example, Hardrow Slate roof tiles mimic the appearance of **natural slate** used on historic builds.

We offer an excellent choice of roof tile across our product ranges – flat or profiled, smooth or textured enabling housebuilders to **create homes with a distinctive look.** 

We are proud of our achievement in developing roof tiles with up to 30% less eCO<sup>2</sup> compared to 2018 tile mixes.\* Whilst happy with progress to date, we strive to find new solutions, technologies and initiatives that enable us to offer customers more low embodied carbon products.

See page 25 for more information on our performance data.

eCO<sub>2</sub>/tile eCO<sub>2</sub>/tile Tile weight m<sup>2</sup> **Product** eCO<sub>2</sub>/m<sup>2</sup> Tile weight eCO<sub>2</sub>/m<sup>2</sup> Original mix Original mix New mix New mix SL8 0.93Kg 5.4Kg 7.48Kg 43.3Kg 0.62Kg 4.99Kg 0.86Kg 0.58Kg 5Kg 6.73Kg 4.49Kg 57.79Kg Pan8 0.52Kg 0.35Kg 8.41Kg 48.7Kg 5.62Kg Gemini 3Kg 0.52Kg 48.4Kg **V2** 0.35Kg 3Kg 8.36Kg 5.58Kg 56.6Kg 0.52Kg 0.35Kg 3Kg 9.78Kg 6.53Kg Centurion 3Kg 48.7Kg 0.52Kg 0.35Kg 8.41Kg 5.62Kg Minislate 78Kg **Plain Tiles** 0.22Kg 0.14Kg 1.3Kg 12.95Kg 8.65Kg







OUR COMMITMENT TO SUSTAINABILITY HAS SEEN US:



## Carbon reduction

Remove **30%**\* of embodied carbon from our roof tiles\*



## Improved mixture

This has been achieved through extensive research and development at our **Concrete Research Laboratory**.



## Supported data

This reduction in embodied carbon is EPD **supported** (pending).



## THIS MEANS:



## Lower embodied carbon

Per m<sup>2</sup> our SL8 roof tiles embodied carbon is **5kg** compared to our previous solution which was 7.48kg.



## **☑** Increased resilience

**Enhanced transverse and lock strength** across our roofing tile range



## Less carbon

SL8 contains **30% less carbon** per m<sup>2</sup> when compared to a thick leading edge.

\*Figure calculated using industry average eCO<sub>2</sub>. Excludes Hardrow roof tile which is manufactured at a different manufacturing site.



# THE NEXT GENERATION SL8 ROOF TILE

**ROOF TILES** 

Introducing the improved SL8 roof tile. Our large format roof tile that's up to 30% more sustainable\* with a thin leading edge for impressive aesthetics.

A key element of the Ibstock ethos is looking at how we can improve our sustainability credentials without impacting the high-performance delivery of our portfolio of products.

Customer feedback is really important to us and we've listened to you! We appreciate how hard you strive to not only meet, but surpass sustainability standards.

Every product we manufacture is **stringently trialled and** tested within our purpose-built labs and is only introduced to the market after successfully completing our comprehensive evalutation process.

\*Compared to the original SL8 tile figure calculated using industry average eCO,

SL8 is a great product to work with. Its larger size tile means you don't have to transport as many to site and, with fewer tiles needed to cover the surface area of a roof, it helps save time and money.

Russel Whitney - Roof Plus

REDEFINES WHAT IS POSSIBLE WITH A CONCRETE ROOF TILE AND ITS FEATURES INCLUDE: High surface **Exceeds British** Low embodied Easy-to-lay tile standards carbon coverage WHY SL8? OUR INNOVATIVE APPROACH TO NEW PRODUCT SL8 HAS THE VISUAL CHARACTERISTICS OF A DEVELOPMENT HAS LED TO THE CREATION OF A NATURAL SLATE ROOF TILE WITH THE BENEFITS THAT NO OTHER INTERLOCKING TILE CAN MATCH. ROOF TILE THAT PARTS WITH TRADITION.



## Lower carbon

(patent pending) is used in conjunction with low carbon cements to reduce the carbon emissions of the tile.



## **Superior** coverage



## Reduced waste

Removal of pallet topper to reduce on-site waste.



impressive aesthetics.



Wider format for a more traditional slate appearance.



**KEY FEATURES** 

Technical support, including full fixing specifications.









# SL8®

The visual characteristics of natural slate with benefits that no other interlocking tile can match.

- **◯** IBSTOCK DESIGNED AND MANUFACTURED FIXINGS AND FITTINGS
- **♥ FULL FIXING SPECIFICATIONS AVAILABLE FROM IBSTOCK.CO.UK**
- **⊘** A FULL RANGE OF MAINTENANCE FREE, MECHANICALLY FIXED **ACCESSORIES AND CONCRETE FITTINGS ARE AVAILABLE**
- **⊘** A THIN LEADING EDGE FOR IMPRESSIVE AESTHETICS
- **⊘** A WIDER FORMAT FOR A MORE TRADITIONAL SLATE APPEARANCE
- **⊘** SUPERIOR COVERAGE AT JUST 8 TILES PER SQUARE METRE
- **20% REDUCTION IN THE NUMBER OF TILES USED RESULTING IN FEWER TILES TO HANDLE AND LAY**
- **EASY TO LAY, WITH TWO NAIL HOLES FOR BETTER FIXING FLEXIBILITY**
- **⊘** PACKAGING HAS BEEN SPECIFICALLY DESIGNED TO REDUCE DAMAGE **AND WASTE ON-SITE**
- LATEST MANUFACTURING TECHNOLOGY ENSURES CONSISTENT QUALITY



Scan here for more

on SL8®



# PAN8®

The visual characteristics of a traditional single pantile with the benefits that no other manufacturer can match.

This innovative large format, thin leading edge roof pantile offers superior coverage, requiring just 8 tiles per square metre, which gives the appearance of two pantiles once laid.

Not only this, but with a reduced materials eCO<sup>2</sup> of 30%, it reduces a building's **overall CO<sup>2</sup> emissions**. With the visual characteristics of a traditional pantile, PAN8 offers benefits that no other interlocking tile can match. These include:

- **⊘** IBSTOCK DESIGNED AND MANUFACTURED FIXINGS **AND FITTINGS**
- **FULL FIXING SPECIFICATIONS AVAILABLE FROM IBSTOCK.CO.UK**
- **⊘** A FULL RANGE OF MAINTENANCE FREE, MECHANICALLY FIXED ACCESSORIES AND CONCRETE FITTINGS ARE AVAILABLE. EASY TO LAY WITH TWO NAIL HOLES FOR **BETTER FIXING FLEXIBILITY**
- HIGH STRENGTH CAPABILITIES
- LATEST MANUFACTURING TECHNOLOGY ENSURES **CONSISTENT QUALITY**
- **O 60 YEAR PRODUCT INTEGRITY GUARANTEE**



Scan here

for more







# 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.





## **INNOVATIVE ROOFING SOLUTIONS**

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.











# 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.











# **GEMINI®**

The only double cambered interlocking plain concrete tile.

Gemini® is a truly **innovative roof tile range** that has been awarded the prestigious Millennium Products status by the Design Council, as well as a Queen's Award for Enterprise: Innovation.

- **♥ FULL FIXING SPECIFICATIONS AVAILABLE FROM IBSTOCK.CO.UK**
- **♥** A FULL RANGE OF MAINTENANCE FREE, MECHANICALLY FIXED **ACCESSORIES AND CONCRETE FITTINGS ARE AVAILABLE**
- **OVER THE OF A TRADITIONAL PLAIN TILE WHEN LAID**
- ONLY 16.3 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**





**Sunrise Blend** 



**Mixed Russet** 







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



Scan here for more on Gemini



## **HARDROW**

A roofing heritage that is set in stone.

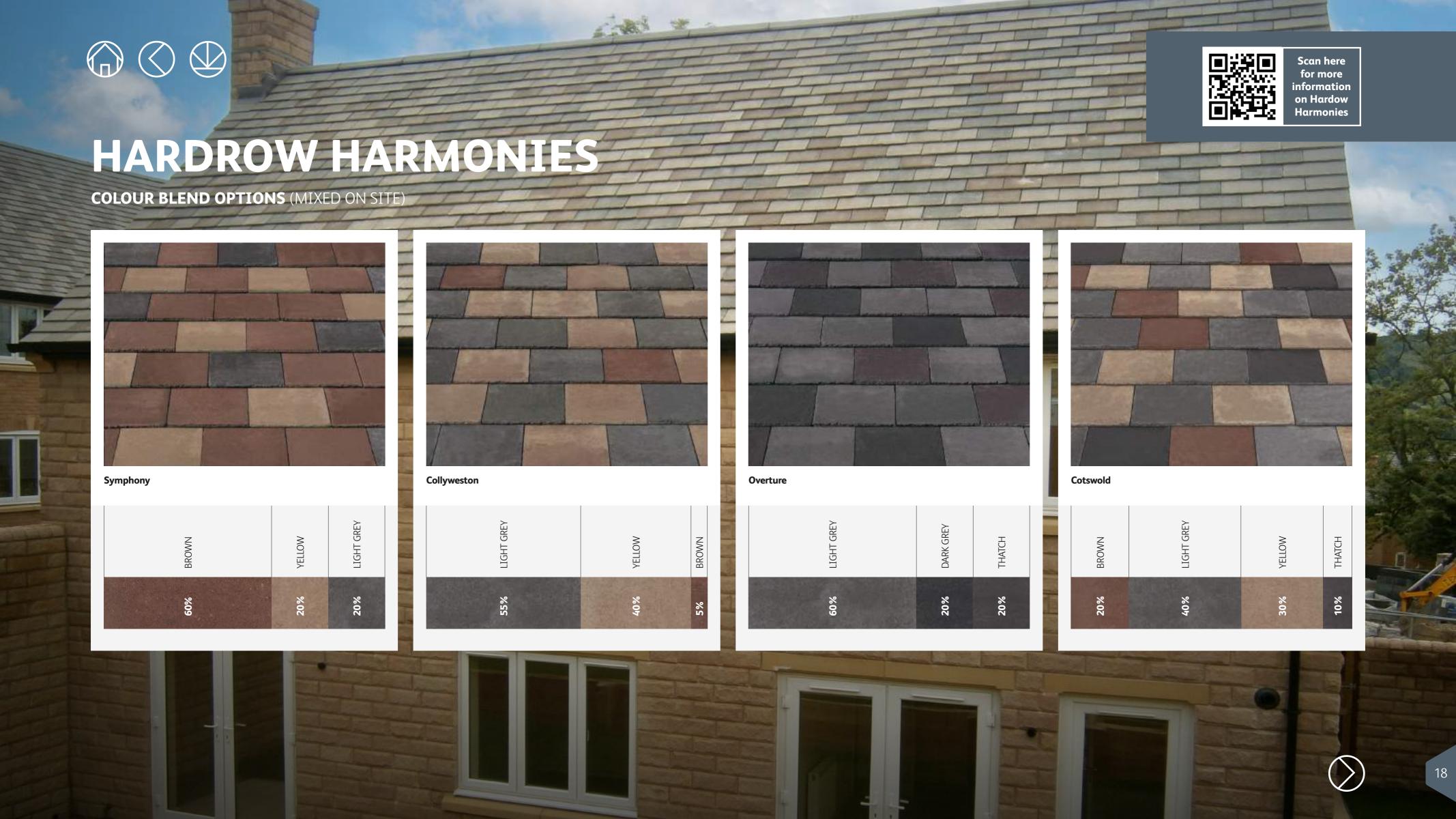
Our popular Hardrow range enable a **natural stone appearance** to be achieved, adding to the aesthetic appeal to the architecture of a building. With three colour ranges available, both classic and modern tastes are catered for.

Produced in a range of sizes for that bold appearance and excellent coverage, Hardrow Slates can deliver a surprisingly varied range of alternative colour mixes. Such is their **quality and appeal**, they are approved by local authorities for use on period property projects.

- **⊘** IBSTOCK DESIGNED AND MANUFACTURED FIXINGS AND FITTINGS
- **⊘** A 'DOUBLE-LAP' FOR FLEXIBLE ROOF DESIGN
- **⊘** IBSTOCK DESIGNED HANDMADE FITTINGS ENABLE ROOF DETAILING
- **KITEMARKED TO BS EN 490**
- SOME OF THE SIZES CAN BE LAID AS LOW AS 17.5°
- **30 YEAR PRODUCT INTEGRITY GUARANTEE**

















## **V2**

## Re-engineered for ultimate strength.

V2 are our high performance, cost effective, 15 x 9 tiles proven in tests to be one of the **strongest tiles of its type** for the re-roofing market. Features and benefits include:

- IBSTOCK DESIGNED AND MANUFACTURED FIXINGS AND FITTINGS
- FULL FIXING SPECIFICATIONS AVAILABLE FROM IBSTOCK.CO.UK
- **EASY TO LAY**
- STRAP BANDED IN PACKS OF 6 TILES FOR EASE OF HANDLING AND MINIMAL WASTAGE
- INTERLOCK FEATURE, PROVEN TO GIVE BETTER DRIVEN RAIN, AND 'ICE BLOCKING' PERFORMANCE
- BATTEN SUPPORTS TO ALLOW FREE AIR FLOW ENSURING BATTENS STAY DRY
- **AVAILABLE IN 4 SMOOTH COLOURS**
- HIGH QUALITY PRODUCT
- **60 YEAR PRODUCT INTEGRITY GUARANTEE**
- **⊘** CONFORMS TO BS EN 490



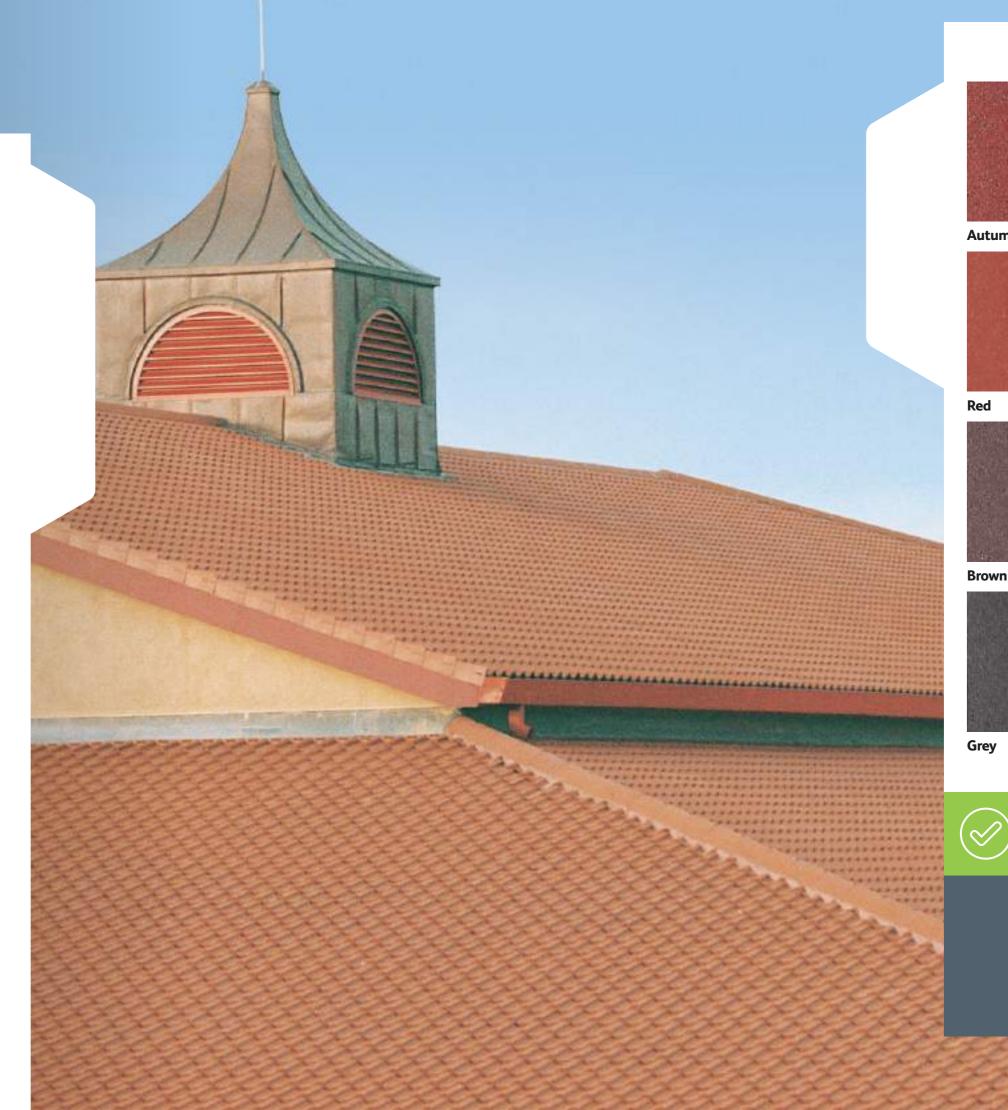


# **CENTURION**

Innovative tiling design has been harnessed to create a low-pitch interlocking roof tile.

It is capable of being laid to a rafter pitch of **12.5**° but can be laid down to **10**° on some simple roofs provided that all of the specifications are followed. Features and benefits include:

- **⊘** IBSTOCK DESIGNED AND MANUFACTURED FIXINGS **AND FITTINGS**
- **♥ FULL FIXING SPECIFICATIONS AVAILABLE FROM IBSTOCK.CO.UK**
- **CAN BE LAID AS LOW AS 10°**
- **WIND BARRIERS BEHIND LEADING EDGE TO COMBAT WIND LIFT**
- HIDDEN FIXINGS INCLUDING TILE CLIP
- **AVAILABLE IN 4 COLOURS**
- **CONFORMS TO BS EN 490**
- **O 60 YEAR PRODUCT INTEGRITY GUARANTEE**





**Autumn** 









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



Scan here for more on Centurion



# **SENATOR**

Traditional single pantile.

Senator are **smooth finish single pantiles** available in a range of four colours. Features and benefits include:

- IBSTOCK DESIGNED AND MANUFACTURED FIXINGS AND FITTINGS
- **♥ FULL FIXING SPECIFICATIONS AVAILABLE FROM IBSTOCK.CO.UK**
- SMOOTH FINISH PROFILE
- **AVAILABLE IN 4 COLOURS**
- **CONFORMS TO BS EN 490**
- **O 60 YEAR PRODUCT INTEGRITY GUARANTEE**





Red



**Brown** 



Grev



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



Scan here for more information on Senator products

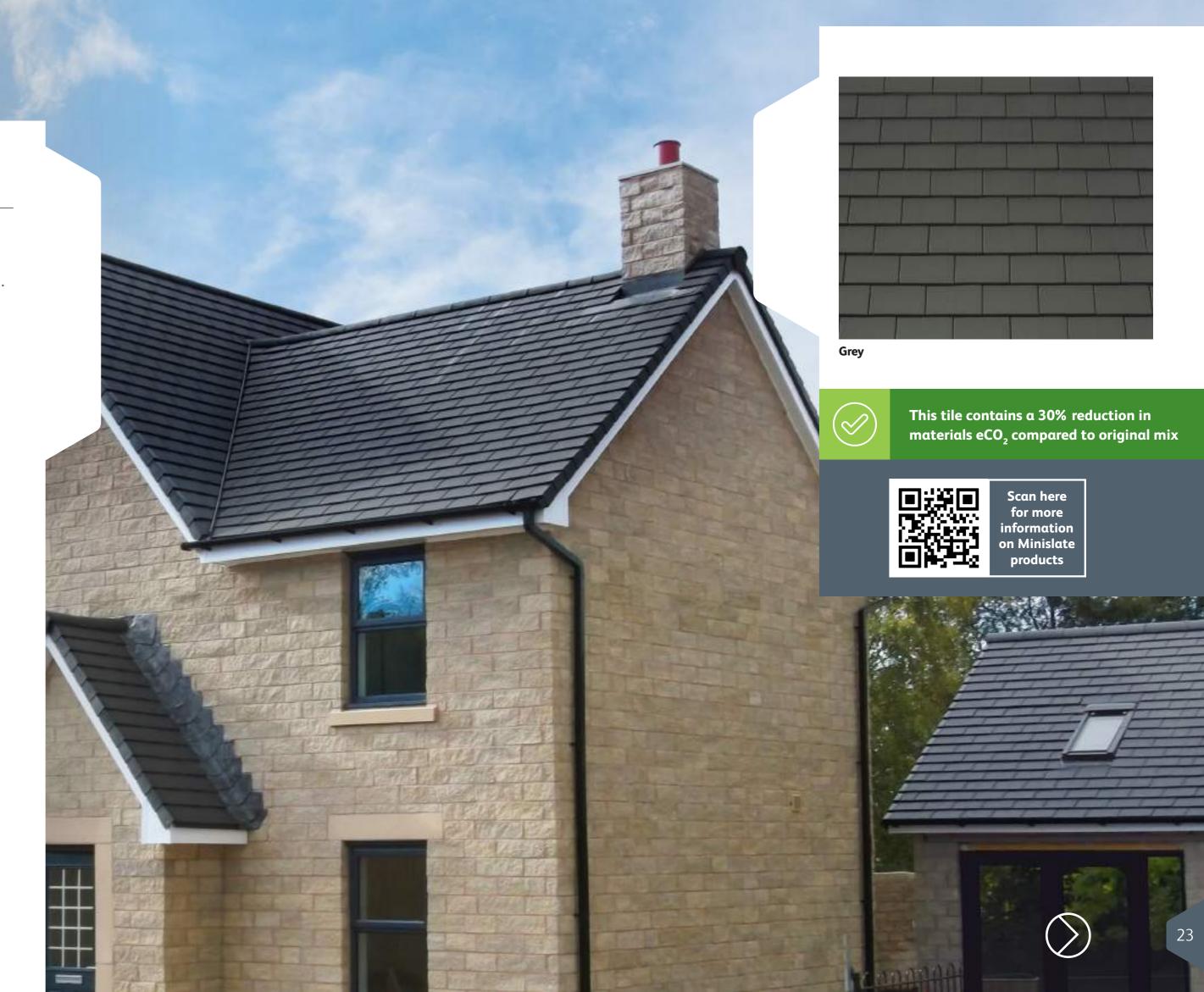




# **MINISLATE**

The aesthetic appeal of natural slate with the benefits of an interlocking concrete tile.

- **⊘** IBSTOCK DESIGNED AND MANUFACTURED FIXINGS AND FITTINGS
- **♥ FULL FIXING SPECIFICATIONS AVAILABLE FROM IBSTOCK.CO.UK**
- ✓ A FULL RANGE OF MAINTENANCE FREE, MECHANICALLY FIXED ACCESSORIES AND CONCRETE FITTINGS ARE AVAILABLE. EASY TO LAY WITH TWO NAIL HOLES FOR BETTER FIXING FLEXIBILITY
- **20 X 12 SLATE APPEARANCE WHEN LAID**
- **⊘** EASY INSTALLATION FIXED AS SIMPLY AS CONVENTIONAL INTERLOCKING TILES
- HIDDEN FIXINGS, INCLUDING TILE CLIP
- **60 YEAR PRODUCT INTEGRITY GUARANTEE**
- **CONFORMS TO BS EN 490**





# PLAIN TILES

Traditional  $10\frac{1}{2}$ " x  $6\frac{1}{2}$ " Plain tile for vertical tile hanging.

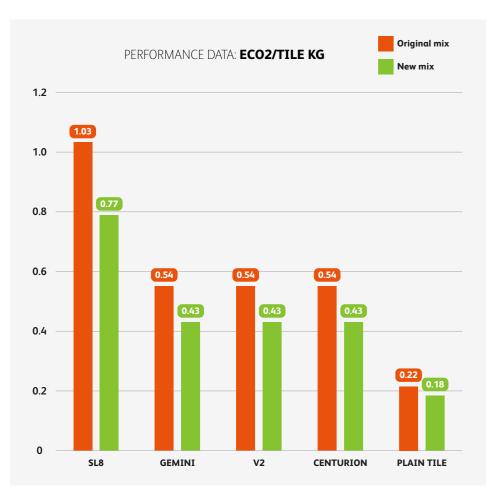
- HANGING NIBS DESIGNED AND POSITIONED FOR MAXIMUM STRENGTH
- SHAPE DESIGNED TO IMPROVE AIR CIRCULATION BETWEEN TILE AND BATTEN
- **⊘** THROUGH COLOURED
- **CONFORMS TO BS EN 490**
- **60 YEAR PRODUCT INTEGRITY GUARANTEE**

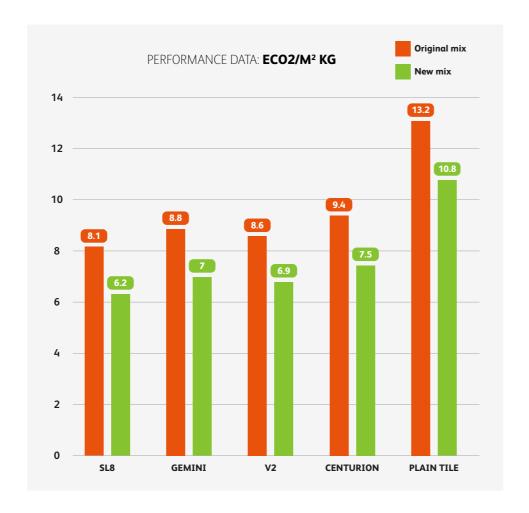




# **APPENDIX**

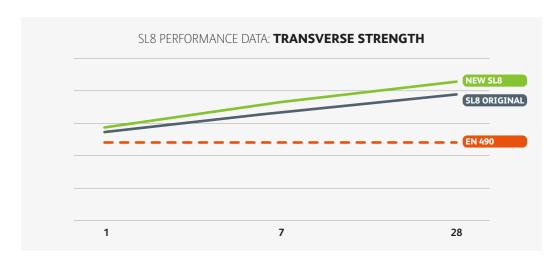
#### From page 06.

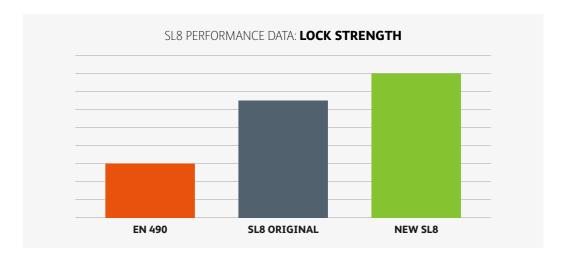




These figures were calculated and verified by our Concrete Materials team and are based on industry figures.

#### From page 09.









## TECHNICAL DETAIL



#### **VERGE SYSTEMS**

#### **SYSTEMS AVAILABLE:**

- SL8 Verge System (colours available: grey and rustic)
- PAN8 Verge System (colours available: grey and rustic)
- Gemini/Minislate Verge System (colours available: grey, brown, red and rustic)

#### **FEATURES AND BENEFITS** INCLUDE:

- Dry fix, Maintenance free, systems to replace mortar bedded verges
- Simple and effective way of securely fixings verge tiles as a second mechanical fixing
- SL8 and PAN8 verge units have been designed with drainage channels, ensuring water is discharged into the gutter
- Gemini and Minislate verge capping units designed to secure verge tiles without the need for verge clips
- Fully compliant with BS 5534 and BS 8612



#### **VENTED DRY RIDGE SYSTEMS**

#### SYSTEMS AVAILABLE:

- Flat tile vented ridge system 6m
- PAN8 vented ridge System 6m • Centurion/Senator vented Ridge
- System 3m • V2 vented ridge system - 3m
- Hardrow vented ridge system 6m
- All ridge systems are available in: grey or rustic colours

#### **FEATURES AND BENEFITS** INCLUDE:

- Dry fix, maintenance free systems to replace mortar bedded ridges
- Provides high level discreet ventilation along the ridge line
- Top fillers designed to suit the profiles of all Ibstock roof tiles
- Meets BS 5534 and BS 8612 requirements



### **DRY HIP SYSTEMS**

#### **SYSTEMS AVAILABLE:**

- SL8/Gemini/Minislate dry hip system - 6m
- PAN8/V2/Centurion dry hip system

#### **FEATURES AND BENEFITS** INCLUDE:

- Dry fix, maintenance free systems to replace mortar bedded hips
- Discreet finish to the hip line and easy to install
- 100% recycled material, 100% recyclable
- Fully weather resistant
- Meets BS 5534 and BS 8612 requirements



#### **VENT TILES**

#### **SYSTEMS AVAILABLE:**

• Available in all roof tiles (grey, brown, red and rustic colours available)

#### **FEATURES AND BENEFITS** INCLUDE:

- Discreet ventilation tiles designed to blend in with the roof finish
- Designed to match the profile of Ibstocks tiles
- Air vent and soil vent packs available
- Quick and easy to install
- Meets BS 5534 and BS 5250 requirements





# **TECHNICAL DETAIL**



### **UNIVERSAL EAVE SYSTEMS**

#### SYSTEMS AVAILABLE:

- Universal Eave System 6m
- Centurion low pitch eave system -3m (suitable for use under 15 degrees with Centurion only)

## FEATURES AND BENEFITS INCLUDE:

- Eave extension pack available for use with universal system
- Universal eave system provides 25000mm²/linear metre free vent area
- Suitable for use with flat and profile tiles
- Easy and simple to install
- Meets BS 5534 and BS 5250 requirements



## **TILE CLIPS**

## CLIPS AVAILABLE:

- Tile to tile clips
- Perimeter clips (available in grey and rustic colours)
- Verge Clips

## FEATURES AND BENEFITS INCLUDE:

- Mechanical fixings specifically designed to fit the profile of Ibstocks interlocking tiles
- Protects tiles from wind uplift
- Easy to install
- Tile to tile clips are hidden fixings
- Meets BS 5534 requirements





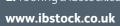






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ADDRESS CLIMATE CHANGE IMPROVE LIVES MANUFACTURE MATERIALS FOR LIFE

