



Sandtoft 

Goxhill

Type		Handmade Plain Tile with double camber
Size		265 mm x 165 mm
Material		Natural Alluvial Clay
Durability		Guaranteed for 60 years

Goxhill
Handmade
Plain
Tile

The Goxhill handmade clay plain tile is one of the most distinctive and characterful roof coverings available. Each Goxhill tile is unique – made by our team of dedicated experts, from the finest alluvial clay.

At Sandtoft, we are passionate about beautiful roofs and Goxhill is a testament to this passion – creating a visually stunning roof that combines character and charm with quality and durability.



The
Art of
Clay

Handmade from the finest alluvial clay

Each Goxhill tile is made with finest quality alluvial clay from the plains of the river Humber. Sandtoft has been working with this premium quality clay for over a hundred years, producing highly durable roof tiles rich in colour, character and texture.



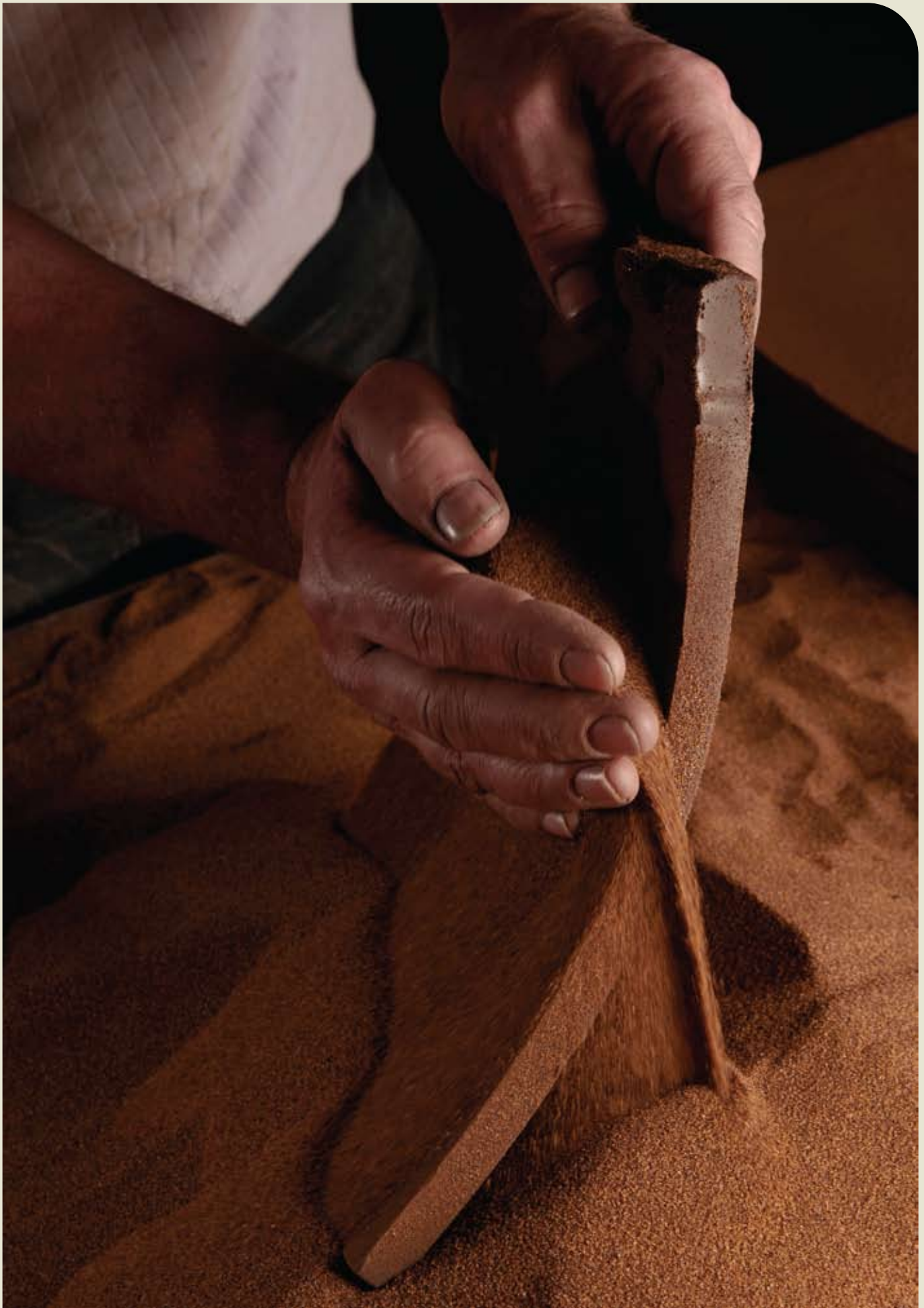
The character of a handmade clay plain tile comes from the way it is handled and cared for by its maker. Our master craftsmen share decades of experience and knowledge – although each has his own unique and inimitable style, which in turn ensures that every Goxhill roof is unique.

To ensure consistency, our cutting-edge tunnel kiln fires all the tiles at a constant and precise temperature, whilst maximising heat recovery and energy efficiency. This unique combination of the latest ceramic technology and age-old craftsmanship ensures each Goxhill tile offers both impressive durability and aesthetic beauty.

Every Goxhill tile has subtle variations in form that derive from the way it is handled, particularly when it is being 'sanded' by a craftsman. Coloured sand is worked into the tile by hand before it is carefully moulded onto a drying support; and once dry, it is ready to be fired.



Colour: Dark Chestnut



Flexibility
and Versatility

A signature of individuality

Our alluvial clay creates tiles that are robust and durable, whilst being easy to cut and drill on site. As a unique tile, Goxhill lends itself perfectly to unique roofs, yet it is not simply its material that makes the tile perfect for unusual applications.



Colour: Dark Chestnut

Goxhill's small scale and double camber make it ideal for complex renovations; from turrets and conical roofs to the sweeping curves of an eyebrow feature. Goxhill's simple but effective design offers genuine flexibility combined with striking aesthetic qualities.

This versatility makes Goxhill an ideal choice for vertical tiling work. Originally used to provide a lightweight means of waterproofing the upper floors of timber-framed buildings, vertical tiling is increasingly specified as a cost effective yet highly decorative cladding solution. Vertical verge details such as Winchester and Sussex cutting and Soldier courses further add to the aesthetic appeal of vertical tile hanging.



Colour: Dark Chestnut



100% Green Commitment

Choosing the Goxhill tile means choosing the product of a truly eco-conscious company. At Sandtoft, we are passionate about reducing our impact on the environment and providing the construction industry with greener building materials. Our manufacturing processes are audited to environmental standard ISO 14001, but on top of this, we have taken radical steps to reduce our CO₂ emissions.

Significantly, we have switched the entire Sandtoft operation to 100 percent renewable electricity, begun an ambitious conversion of our vehicles to 100 percent biodiesel and undertaken a range of other energy efficiency methods. All of our clay pits are adjacent to our factories, reducing the CO₂ generated through the transportation of raw materials, and we endeavour to source all of our third-party materials from quality local suppliers.

In 2000, the ceramic industry made a pledge to the government that the sector will reduce its carbon emissions by 10 percent before 2010. Through our proactive environmental policies, Sandtoft achieved this target more than four years ahead of schedule; and since 2001, we have reduced the carbon footprint of our clay business by 40 percent. However – we don't

intend to stop there. We will continue to adapt and evolve our operation to further reduce our carbon emissions.

Working to strict environmental standards, our clay pits are restored as wetland habitats; two of which are now registered as sites of special scientific interest (SSSI).

We are also reducing our landfill waste; working towards becoming a zero landfill business. The vast majority of our waste is already recycled back into the manufacturing process and our fired clay waste is used as hardcore for road construction. Because our clay roof tiles are so durable, they are often reused, either on other installations or for a variety of different applications. We actively encourage this second lifecycle and appreciate the environmental value of reusing building materials.



Goxhill achieves a BRE
Green Guide rating of 'A'

Design
Life

Designed to withstand the harshest climate

Buildings in the UK must withstand one of the most aggressive climates in the world. Whilst in this country we do not experience the most extremes of heat or cold, the frequent cycles of soaking, freezing and thawing test roofing materials to the limit. These unique conditions have been recognised in the latest European Standard for frost testing of clay roof tiles.



Colour: Autumn Brown



Colour: Dark Chestnut

The latest research in the UK has shown that the current frost test requiring tiles to pass 100 cycles of freezing and thawing is inadequate; ie tiles that only just reach this level may well fail within the first few years of service.

A new test has been developed to replace the old frost test method. The new European Standard will require a pass level of 150 cycles. However, in the UK version of the Standard, the recommended pass level has been raised to 400 cycles. Experts believe that clay tiles should reach this level to be considered suitable for use in the UK. That is why Sandtoft now routinely tests its clay tiles to 400 cycles and beyond.

Tradition and technology combined with constant research and rigorous testing ensures that every Goxhill tile lasts at least 60 years, even in Britain's harsh climate. Sandtoft designs clay tiles not just to pass a standard, but to last a lifetime.



Colour: Dark Red

Technical
Data



Colour: Autumn Brown



Colour: Dark Red

Goxhill

Technical Data	Roof	Vertical
Minimum Roof Pitch	40°	75°
Headlap (Minimum)	65 mm	38 mm
Batten Spacing at max. gauge	100 mm	114 mm
Size of tile	265 x 165 mm	265 x 165 mm
Covering capacity at max. gauge	60.0 tiles per m ²	53.0 tiles per m ²
Cover width	165 mm	165 mm
Profile depth	13 mm	13 mm
Hanging length	245 mm	245 mm
Weight as laid	72 kg per m ²	63.6 kg per m ²
Weight per 1000	1.2 tonnes	1.2 tonnes
Weight per tile	1.2 kg	1.2 kg
Weight per pallet (including pallet/packaging)	0.6 tonnes	0.6 tonnes

Technical Data	Roof	Vertical
Quantity per pallet	500	500
Battens per m ²	10 m	8.7 m
Batten size -		
up to 450 mm rafter centres	38 x 25 mm	38 x 25 mm
up to 600 mm rafter centres	38 x 25 mm	38 x 25 mm
Nail size/type for tiles	38 x 3.35 mm aluminium clout head	

Colours can be mixed to achieve a weathered effect. Brindle Mix is created by mixing Autumn Brown (50%), Dark Chestnut (30%) and Dark Red (20%).

Note: Unless otherwise stated, data is based on tiles laid at minimum headlap

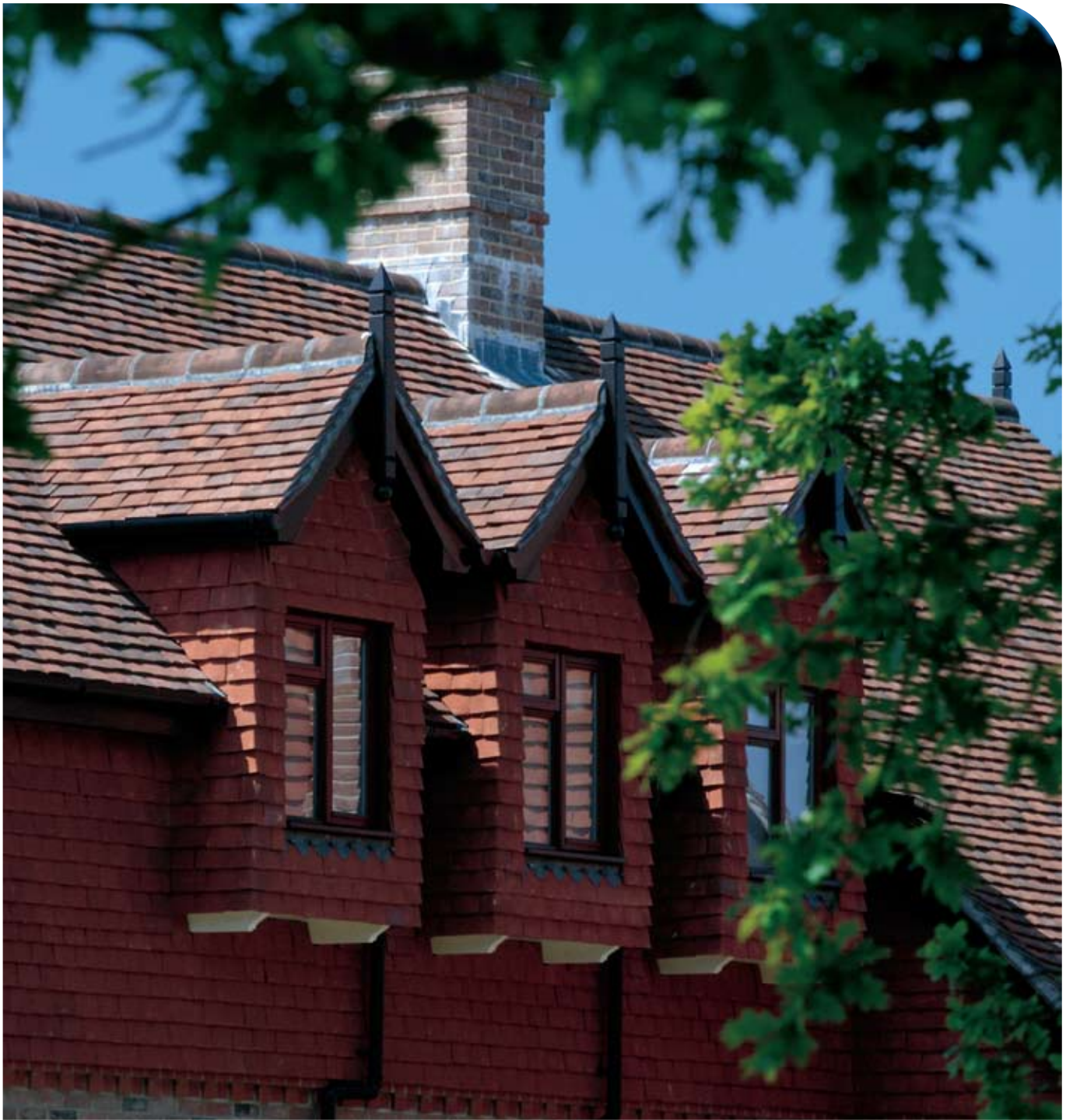
Colours



Dark Red (96)



Dark Chestnut (97)



Colour: Brindle Mix



Light Red (98)



Autumn Brown (99)



Goxhill

Classification

Type	double cambered handmade plain tile
Material	natural alluvial clay
Style	small format
Fixing	double lap, cross bond

Guarantees

Durability guarantee	60 years
RoofSPEC guarantee	20 years

Environment

Manufactured using 100% green electricity, helping to achieve a reduction of our clay products' carbon footprint by 40% since 2001.

Raw clay from abundant reserves located adjacent to production facility. Product can be reclaimed so it has a second life cycle

Standards

Quality

BS EN ISO 9001: Quality management systems

Environmental

BS EN ISO 14001 Environmental management systems

Manufacturing

BS EN 1304: Clay roofing tiles
BS EN 1024: Geometric characteristics
BS EN 538: Flexural Strength
BS EN 539-1: Impermeability
BS EN 539-2: Frost resistance

Design & fixing

BS 5534: Code of practice for slating and tiling
BS 8000-6: Workmanship on building sites
BS 5250: Control of condensation

Fire resistance

BS EN 1304: deemed to satisfy
BS 476-3: SAA rated

In use

The contractor must work in accordance with BS 8000-6 and fix all tiles in accordance with BS 5534 – our FixingSPEC service, together with installation guides for tiles and systems, are available for download from our website or contact Technical Support for assistance on 0870 145 2020.

Maintenance

Extremely low maintenance. Only periodic removal of debris or growth required if in high-risk areas.

Packaging and storage

Supplied shrink wrapped on pallets. Download Safe Stacking recommendations from our website or contact Customer Support for assistance on 0870 145 2020.

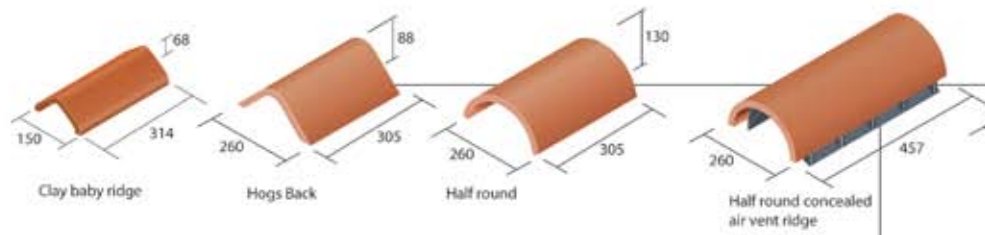
Health & safety

Adhere to current health and safety rules at all times. Download COSHH sheets from our website or contact Customer Support for assistance on 0870 145 2020.

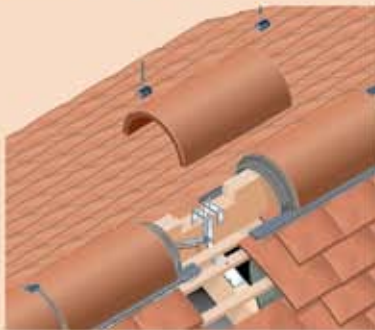


Colour: Brindle Mix

Goxhill
Fittings &
Accessories

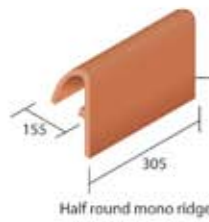


Profile Ridge system



Components
Each pack has sufficient components (excluding ridges) for 2.7 metres of ridge.

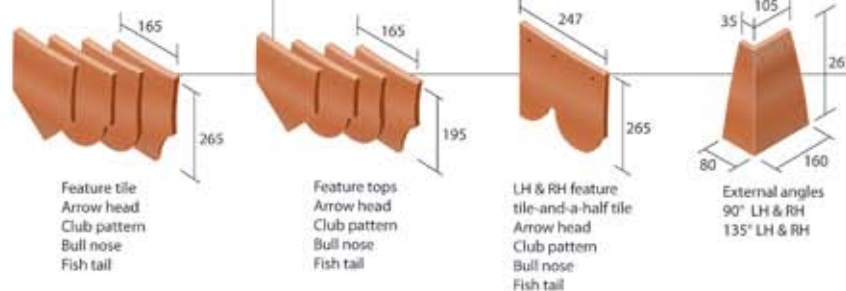
Profile Mono Ridge system components
Each pack has sufficient components (excluding ridges) for 2.7 metres of ridge. For use with 305 mm ridges.

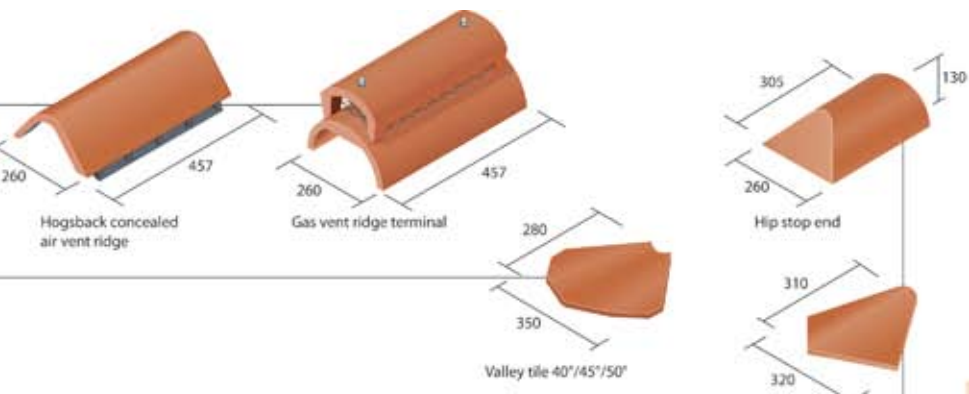


Eaves ventilation system



Components
The Sandtoft eaves ventilation system is available in 6 meter packs. Systems are available in 10 mm and 25 mm.



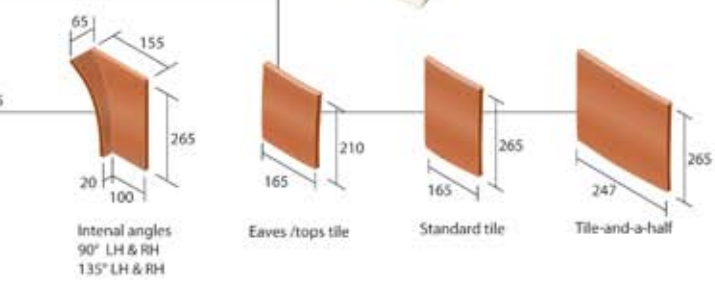


Roll Hip system

Components
Each pack has sufficient components (excluding hip tiles) for 5.0 metres of hip.

Abutment ventilation system

Components
The Sandtoft Rollvent top abutment ventilation system comes in 3 metre rolls and is suitable for all profiles. Copper fixing clips are included to secure the Rollvent and lead flashing.





Colour: Brindle Mix

Quality products with complete support

Customer Support and General Enquiries

Tel 0870 145 2020

Fax 0870 145 2019
info@sandtoft.co.uk
www.sandtoft.com

Technical Support

Tel 0870 145 2021
Fax 0870 145 2019
technical@sandtoft.co.uk

Ordering and deliveries

Clay products
Tel 0870 145 2022
Fax 0870 145 2018

Sandtoft Training and Assessment Centre (STAC)

Tel 0870 145 2020

To ensure total peace-of-mind, Sandtoft offers a range of support and guarantee packages that encompass design, specification and installation.

Durability Guarantee

The roof is the single most exposed element of the building envelope – and as such, it needs to be as durable as it is beautiful. At Sandtoft, we are committed to providing the highest quality roofing solutions, and we are willing to provide the guarantees that will offer you peace of mind when investing in our products. All of our clay roof tiles are guaranteed to last at least 60 years, but we go beyond simple durability guarantees.

Roof SPEC Guarantee

Sandtoft can also provide a comprehensive design specification for your roof; a design specification that we will guarantee for 20 years under our Roof SPEC guarantee system. With Roof SPEC you can be assured that your roof is designed to comply with all of the relevant building standards and best practices, and is guaranteed to remain weathertight for 20 years.

Fixing Specifications

Sandtoft also offers the Fixing SPEC comprehensive fixing specification service – designed to ensure your roof is fixed correctly and securely in accordance with the relevant British Standards. Using BRE BREV data, our postcode-based system provides quick and accurate fixing recommendations to suit your project's geographical position and design specifics. Fixing SPEC is available through our website at www.sandtoft.com – simply fill in your project details and we'll do the rest.

CAD Library

To help save you time, we also offer a vast online library of CAD details through our website, in DWG, DXF and JPEG formats.

Installation

For detailed guidance on how to install Goxhill plain tiles please download an Installation Guide from our website or contact Customer Support on 0870 145 2020.



Colour: Dark Chestnut

For more information on Sandtoft Roof Tiles visit www.barbourproductsearch.info

For more information on the widest and most innovative range of roof tile systems in the UK please visit **www.sandtoft.com** or call 0870 145 2020 for a product selector



Sandtoft 

**CAMPAINING FOR
BEAUTIFUL ROOFS**

Tile colours shown in this brochure are as accurate as the printing process will allow.

Product samples are available upon request.

At Sandtoft we are continually innovating and improving our product range.

We reserve the right to change product specifications without notice.

Colour: Brindle Mix

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