Performance

Mechanical fixing

All perimeter tiles must be fixed. In addition, a wind load calculation should be carried out in accordance with BS 5534, to determine what additional fixings may be necessary.

Detailed wind loading and mechanical fixing specifications are available on request from the Technical Services Department.

Further information and guidance is available.

Effects of environmental and other factors

Sandtoft clay roof tiles are highly durable and resistant to a wide range of environmental factors.

Further information is available on request from the Environmental Department.

Roof ventilation

Roofs should be designed to avoid harmful condensation and be properly ventilated to comply with BS 5250, 'Code of practice for the control of condensation in buildings.' Further information is given in the 'Roof ventilation' brochure.

Detailed roofspace ventilation specifications are available on request from the Technical Services Department.

Sitework

Sandtoft roof tiles should be laid and fixed to comply with BS 5534: Part 1, 'Code of practice for slating and tiling' and BS 8000: Part 6, 'Code of practice for workmanship on building sites – slating and tiling'. Further information on mechanical fixing is given in the 'Clay dry roofing' brochure.

Maintenance

Sandtoft clay roof tiles do not normally require any maintenance during their design life. In areas where lichen, mosses and wind blown vegetation, e.g. pine needles etc. are a risk, it is prudent to avoid blockage of the tile rainwater channels.

Health and safety

Technical data on Sandtoft roof tiles to comply with the Health and Safety Executive – Control of Substances Hazardous to Health (COSHH) regulations is available on request from the Technical Services Department.

Supply

Packaging

Sandtoft clay roof tiles are supplied polythene wrapped on pallets.

Ordering

Orders for collection or delivery of Sandtoft products should clearly state: tile profile, fittings, accessories, all quantities, colour, site address, any specific requirements.

To order Arcadia Pantiles contact:

Broomfleet Tileries
Tel (01430) 423082
Fax (01430) 423412

Technical services

Sandtoft Technical Services Department offers specialist advice and support to assist the roof designer, stockist and contractor.

A range of services is available, including mechanical fixing recommendations, detailed specification clauses based on the National Building Specification (NBS) format, CAD detailing and material estimates, as well as general advice on all aspects of pitched roofing.

Please refer to the Sandtoft Technical Services Department for more information on (01427) 871270.

Polly Pettit
Money Bridge Lane
W. Pinchbeck

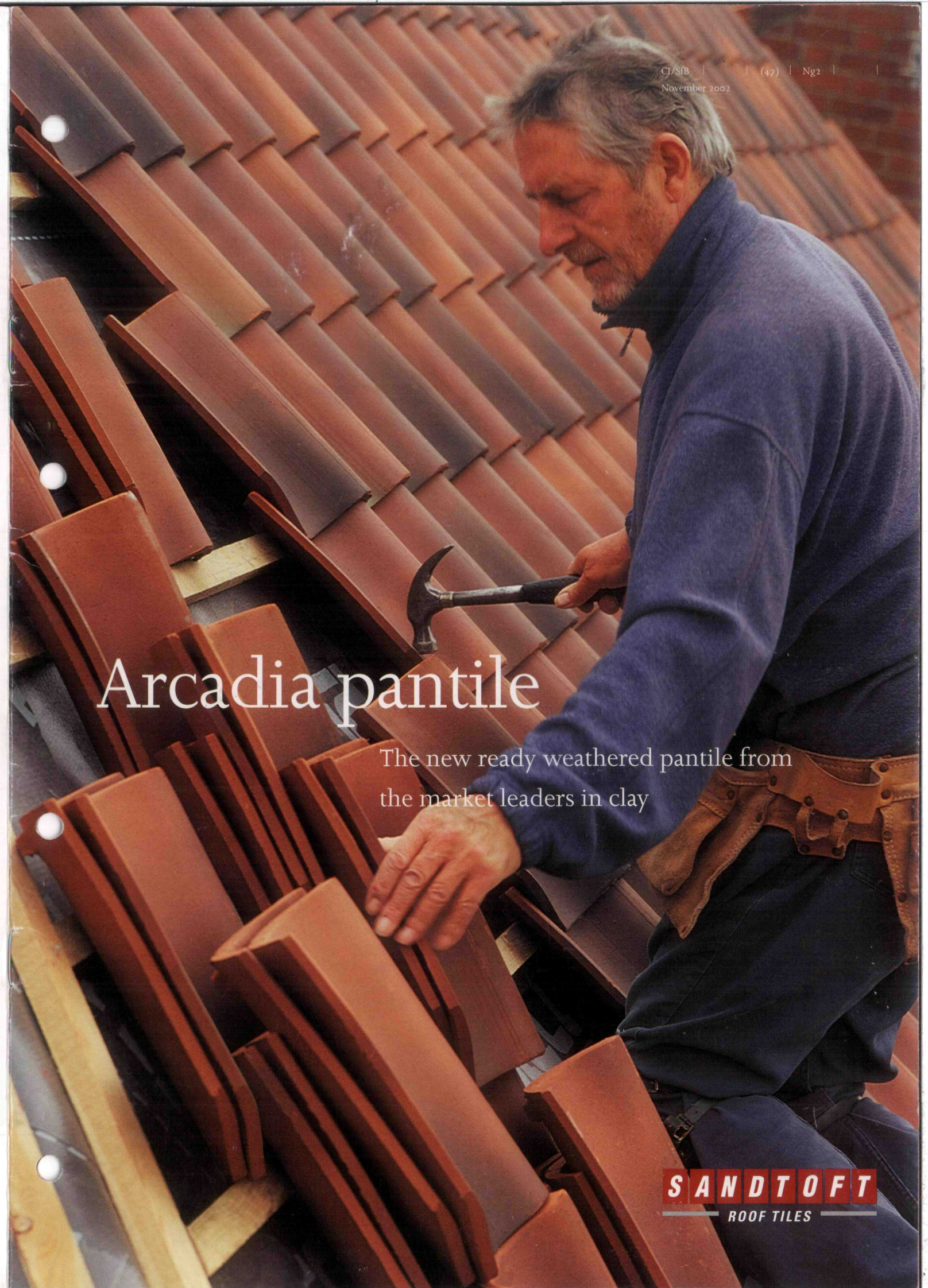
07765952520

DETERMINE
PLAN

SANDTOFT
ROOF TILES

Sandtoft Roof Tiles Limited
Sandtoft, Doncaster
South Yorkshire DN8 5SY
telephone 01427 871200
email info@sandtoft.co.uk
www.sandtoft.com

Sandtoft Roof Tiles reserves the right to change designs and specifications without notice or to discontinue any of the products. All products are subject to availability and offered for sale under the company's conditions of sale which are available on request.



Arcadia pantile

A traditional English pantile with the rich and varied colour and texture of aged clay tiles. Manufactured with all the advantages of a modern tile, this ready weathered rustic pantile comes complete with a 60 year guarantee and is manufactured to recognised environmental and quality standards.

The Arcadia Pantile gives the visual benefits of reclaimed pantiles without any of the problems. Its performance is guaranteed, its continuity of supply assured, and there are no added costs for on-site sorting or wastage.

Features

- **authentic weathered appearance**
- **perfect match for old roofing**
- **genuine English pantile shape**
- **completely random finish**
- **textured surface**
- **guaranteed for 60 years**
- **readily available from stock**
- **only 17.5 tiles per m²**
- **adds real character**
- **colour permanent natural clay**
- **made to environmental standards**

The look of an aged tile…from new!

Part of the charm of a typically British village setting comes from the manner in which the traditional building materials were originally used and how they have weathered. Clay pantile roofs, in particular, with their familiar 'S' profile, produce distinctive patterns of rounded ridges and furrows running down the slope of a roof, contributing much to the beauty of rural environments.

If you have ever wanted to specify a new, clay pantile to match the mature look of centuries old tiles in a typical British village landscape, now you can… with the Arcadia pantile from Sandtoft.

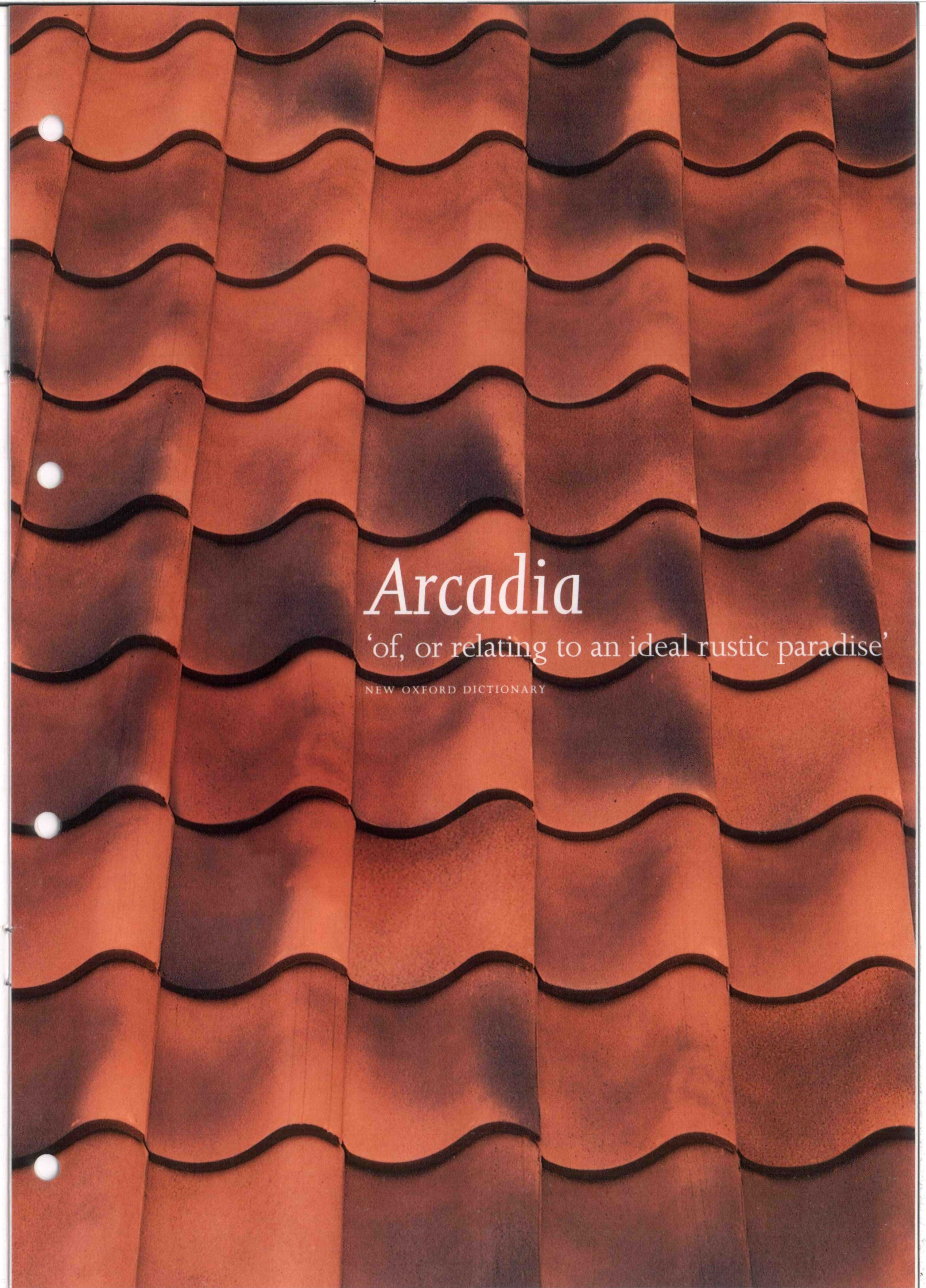
When it comes to adding charm and character to a building, there are few features more likely to achieve this than an aged clay pantile roof, with its rich variety of colour and texture. Until now, the only way to achieve this effect instantly has been to re-use old tiles. Arcadia now offers you the scope to produce the same effect with a new tile! With none of the problems associated with second hand tiles, Arcadia offers a truly competitive and viable alternative.

Performance that's guaranteed

Arcadia is manufactured using a new process to reproduce the variable nature of weathered pantiles. Although the appearance is random, the quality of the tiles is rigidly controlled and consistent. So, you have none of the complications and risks associated with sourcing and laying second-hand tiles – and none of the additional costs. In fact, like all Sandtoft products, the product performance guarantee is 60 years.

Genuine random finish and authentic look

The random coloration and surface texture of aged, mature tiles was key to the development of Arcadia. It is a traditional clay pantile with the surface texture and subtle shading of age-old tiles, even to the extent of simulating the onset of moss growth! Details traditionally associated with tiles manufactured a century or more ago, such as extrusion marks and an open grain, have also been incorporated, without detriment to performance.









Arcadia pantile

Technical data

*Roof pitch (min.)	30°
Headlap	72 mm
Gauge	270 mm (approx.)
Size of tile (overall)	342 × 252 mm
Effective width	210 mm
Covering capacity (net)	17.5 tiles per m² (approx.)
Weight per 1000	2.35 tonnes (approx.)
Weight as laid	41.0 kg per m² (approx.) at 270 mm gauge
Number of tiles per pallet	240
Batten length (net)	3.70 m per m² (approx.) at 270 mm gauge
Batten size	50 × 25 mm (for rafter spacings up to 600 mm centres)
Nails for tiles	50 × 3.35 mm aluminium alloy

* For projects where the rafters are below the minimum recommended roof pitch, please contact our Technical Services Department for advice. Please note the nature of this product is one of variable colour.

Authority

Sandtoft clay tiles comply with BS EN 1304, the European Standard for clay roofing tiles and are manufactured under a Quality Management system to BS EN ISO 9002.

Sandtoft clay tiles will also meet the performance requirements of BS 5534, the British Standard for slating and tiling.

Composition

Sandtoft clay tiles are manufactured from naturally occurring alluvial clay deposits which are processed, extruded or pressed and fired at high temperatures.

Environment

The manufacture of Sandtoft clay tiles is independently certified to comply with ISO 14001: Environmental Management Systems.

This ensures that clay tiles are processed by the most energy-efficient means possible. The raw material is excavated from local reserves, within 1km of the factory.

Old clay pits are restored as wetland habitats: two of which are now registered as Sites of Special Scientific Interest (SSSI).

Guarantee

BS 7543: the British Standard guide to 'Durability of buildings and building elements, products and components' gives the normal design life of buildings to be a minimum of 60 years. Sandtoft clay tiles are guaranteed to remain durable for at least 60 years, subject to the standard terms of the guarantee.

All Sandtoft roof tiles are included in the National Federation of Roofing Contractors' Co-partnership Guarantee Scheme which offers a 10 year guarantee for materials and workmanship along with insolvency insurance cover.

Colour

Arcadia Pantiles are currently available in one colour (Reclaimed - Code 70).

Fittings and accessories

Eaves

Standard tile with Plain Tile undercourse.

Verges

Left and right hand verges – standard tiles

Ridges and hips

- half round or third round ridges
- monopitch ridge tile
- gas vent ridge terminals
- double dentil slips
- a range of decorative ridges and finials is also available

Eaves ventilation

The Sandtoft eaves ventilation system is available in 6 metre packs, comprising

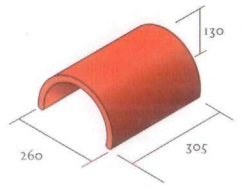
10 mm or 25 mm over fascia ventilators, underlay support trays and universal spacer trays.

Ridge ventilation

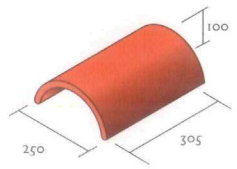
Concealed ridge ventilators are available to suit Half Round and Hogsback ridge profiles.

Tile ventilation

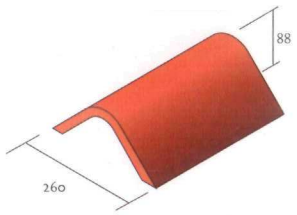
Concealed tile ventilators are available.



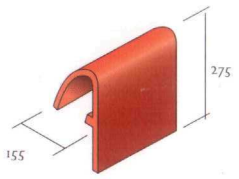
Half round ridge
Length: 305 and 457 mm
(Hand made in 305 mm only)



Third round ridge
Length: 305 and 457 mm
(Hand made in 305 mm only)



Hogs Back
Length: 305 mm
(Hand made only)



Monopitch ridge
Length: 305 mm



Half round concealed air vent ridge
Length: 457 mm
HRCAV



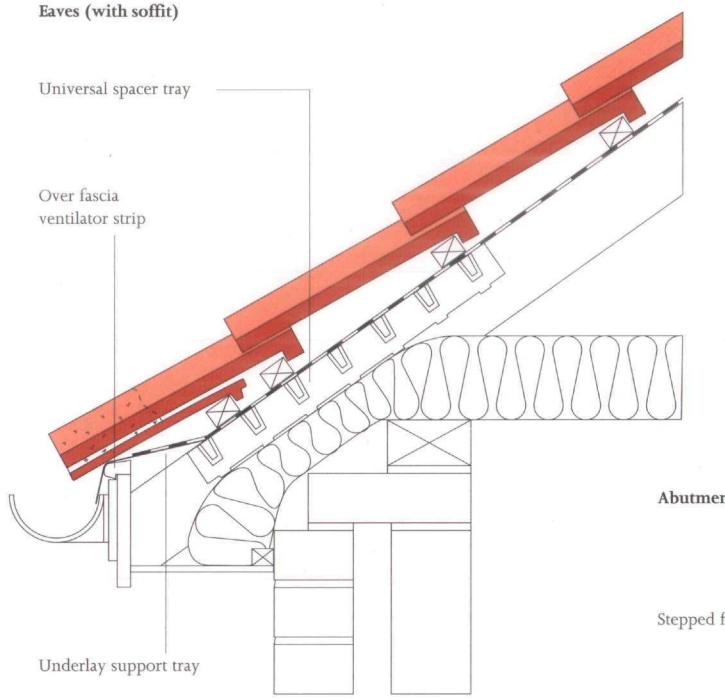
Hogsback concealed air vent ridge
Length: 457 mm
HCAV



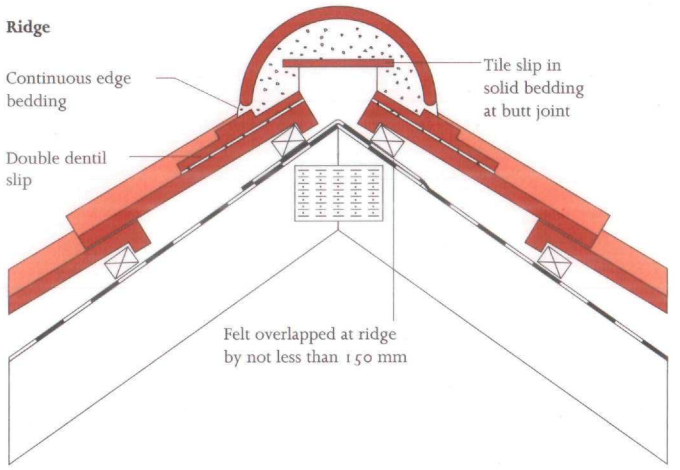
Concealed tile ventilator

Typical Arcadia details

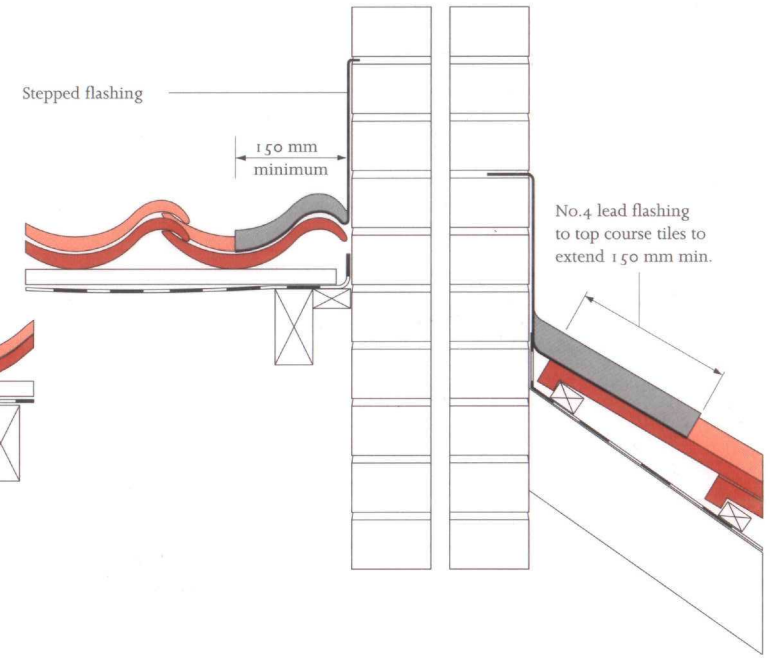
Eaves (with soffit)



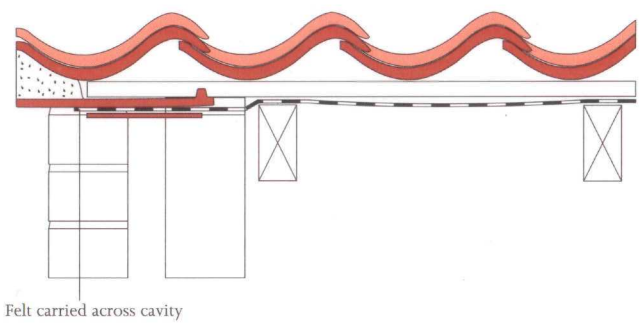
Ridge



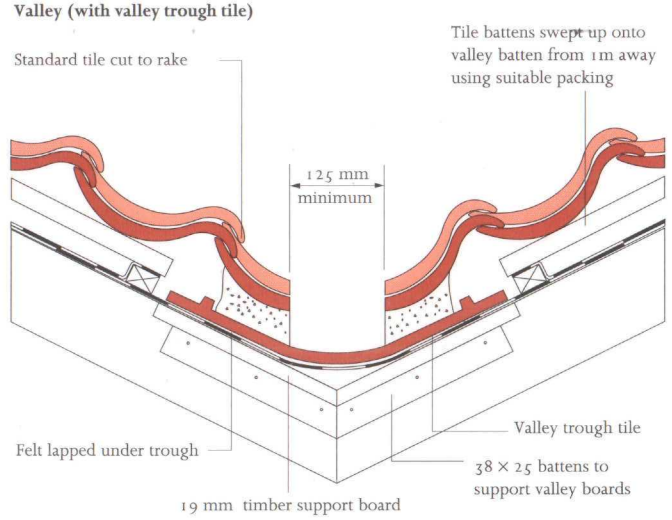
Abutments (with back gutter and top course flashing)



Verge (bedded)



Valley (with valley trough tile)



Valley (with lead lining)

