



Hanson Building Products – a sustainable business

Hanson Building Products is committed to being a sustainable business and contributing to sustainable development. We achieve this by continuous improvement of our manufacturing and extraction processes and by providing products which contribute to sustainable construction.

Made at factories certified to ISO 14001, our clay and concrete products have many features which assist our customers in constructing attractive, sustainable buildings which enrich the built environment. These include: durability, low maintenance, flexibility, flood resistance and ability to be recycled. Providing insulation and thermal mass, our products are ideal for zero carbon developments. We advise on how best to use our products in sustainable buildings and how they contribute to high ratings under the Code for Sustainable Homes and BREEAM.

Hanson Plc a Global Business

Hanson is one of the world's largest suppliers of heavy building materials to the construction industry, with a turnover in 2006 of £4.1bn. Our products fall into two categories: Aggregates (crushed rock, sand and gravel, ready-mix concrete, asphalt and cement related products) and Building Products (clay bricks, pre-cast products and concrete pavers, blocks, tiles and pipes). We employ 26,000 people, operating primarily in North America, the UK and Australia with further operations in Asia Pacific and Continental Europe. Hanson Building Products UK incorporates London Brick, Thermalite, Red Bank, Cradley and Formpave.



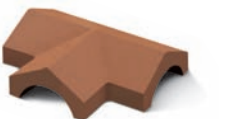
This brochure has been printed on Greencoat Velvet Plus recycled stock. The paper is manufactured from 80% recycled fibre and the remaining 20% virgin pulp is totally chlorine free. In recognition of its environmental qualities, the range has been awarded both the NAPM and the Eugropa recycled marks.

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Hanson Red Bank have been producing high quality clay building products for nearly one hundred years. With such a wealth of experience and expertise, we provide technical excellence in an unrivalled product range.

The Hanson Red Bank range of Special Terracotta profiles add distinction and character to any type of architecture, modern or traditional. In addition to the profiles enclosed, Hanson Red Bank also produce bespoke special chimneys, finials and ridge tiles for use on historical buildings and prestigious restoration projects. Commissions have been undertaken on behalf of The National Trust, English Heritage and other associated bodies of historic buildings, specialising in maintenance and refurbishment. Please refer to our Chimney brochure for further information.



All dimensions are in mm, drawings not to scale and all sizes nominal. The colours in this brochure are as true as can be obtained by the normal printing process. Hanson Red Bank is committed to a program of continuous product development and reserve the right to alter specifications without prior notification. For further product information or assistance please telephone our freephone sales line: (0800) 3285243.

Decorative Bricks

The Hanson Red Bank standard range of decorative bricks, in both modern and traditional designs, provides a variety of patterns, size, colours and face texture which makes them ideally suited for a wide range of feature brickwork applications.

Available in red, buff and slate bodymix. Sizes range from single brick size to 300mm square blocks. Any specific pattern can be produced for special projects or renovation work.



Standard Patterns (140mm x 140mm):

Tudor Rose



List No. 870-TR

Leaf



List No. 870-LF

Flower



List No. 870-FL

Curved Leaf



List No. 870-CL

Wheel



List No. 870-WL

Four Curve



List No. 870-FC

Celtic Cross



List No. 870-CR

Plain



List No. 870-PL

TerraBlock - Terracotta Masonry Blocks

TerraBlock has been developed to create stunning terracotta facades using traditional building methods. Made from durable English clays, TerraBlocks are available in two natural colours and in a wide range of standard and modular formats. TerraBlocks can also be made to order in a variety of other sizes.



TerraBlock



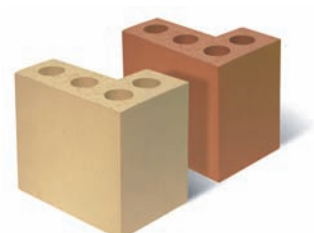
Nominal Module (W x H x D)
 450 x 225 x 90mm
 450 x 150 x 90mm
 400 x 200 x 90mm
 400 x 150 x 90mm

TerraBlock



Nominal Module (W x H x D)
 338 x 215 x 90mm
 338 x 150 x 90mm
 225 x 225 x 90mm
 225 x 150 x 90mm

TerraBlock return



For size options see page 11.
 Other sizes of TerraBlock can be made to order.

String Courses & Copings

String Course Blocks

A range of stop ends, returns and splay units are also available.

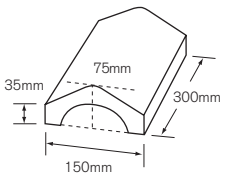
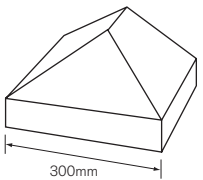
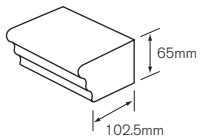
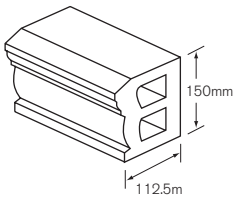
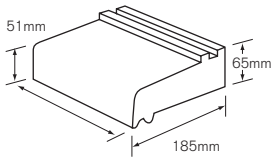
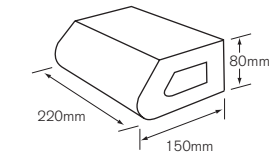
Lancashire Sill
Size: 220 x 150mm
List No. 539

Sill Block
Length: 215mm, 290mm & 440mm
List No. 535

Victorian String Course

Length: 215mm & 440mm
Other lengths available
List No. 768

Regency String Course
Length: 215mm.
Other lengths available
List No. 762



Copings

A range of Stop Ends, Junctions and Returns are also available.

Stop End Coping
List No. 459



Clipover Coping
For single skin wall
List No. 450



T Piece
List No. 453



Saddle Back Coping
For double skin wall
List No. 458



Clumber Coping
List No. 469C



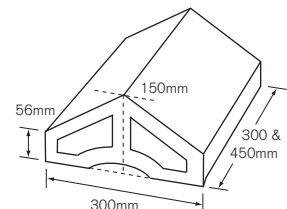
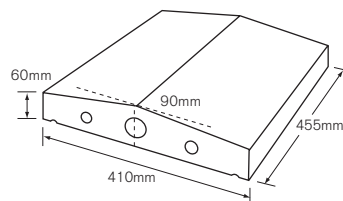
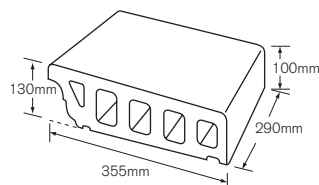
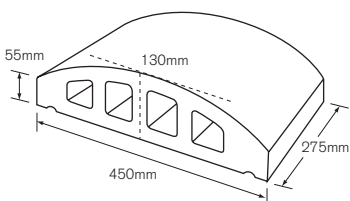
Holymoore Coping
List No. 469H



Shrewsbury Coping
List No. 469S



String Courses & Copings available in Buff and Red.
Saddle Back Coping available in Red, Buff and Slate Body Mix.



Pier Caps

The Hanson Red Bank range and quality of pier caps can meet any design requirement whether it's to enhance estate country gates, as an addition to an elegant balustrade or simply to create curb appeal. These are available in a variety of sizes.

In addition to the large inventory of standard designs we also have the ability to manufacture components to meet your individual specification.

Hanson Red Bank's pier caps add that finishing touch.



Size: 440 x 440mm
List No. 501



Size: 229 x 229mm
List No. 500



Size: 521 x 521mm
List No. 503



Size: 440 x 440mm
List No. 502



Size: 305 x 305mm
List No. 504

Made in 4 sections with an 8mm gap



Size: 521 x 521mm
List No. 505

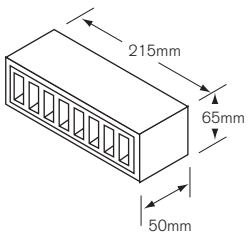
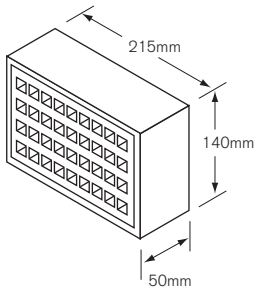
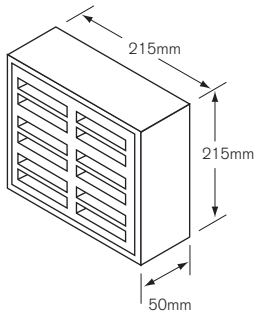


Size: 300 x 300mm
List No. 506

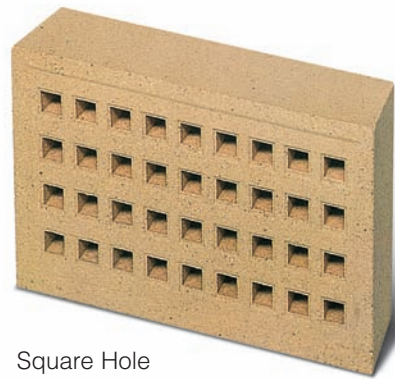
Pier Caps are also available in Buff and Slate Body Mix

Air Bricks

Air Bricks are produced in smoothfaced red terracotta, buff fireclay and blue-black. Sandfaced and textured finishes are also available in the following colours:



Louvre Hole
List No. 363-365



Square Hole
List No. 350-352



Rectangular Hole
List No. 372-374

Air Brick Colour Chart (Sandfaced and textured finishes)

Buff	Dark Heather	Grey Bark	Dover Buff	Mole
Matt Grey Bark	Yellow Mill	Antelope	Light Dunn	Golden Buff
Caernarfon Brown	Silver Grey	Brick Red	Golden Brown	Blue
Red	Ochre	Slate Grey	Heather	Wolstron Brown

Hanson Red Bank also offer a unique 'colour to order' service.

Please contact our Sales Office for details of this service and local stockists.

Cavity Wall Bridging Ducts

Duct Types

Bridging Ducts are produced in Red Terracotta and a variety of depths to suit different wall thicknesses.



Horizontal Pattern
List No. 400-402

Available in:
215 x 65mm
215 x 140mm
215 x 215mm

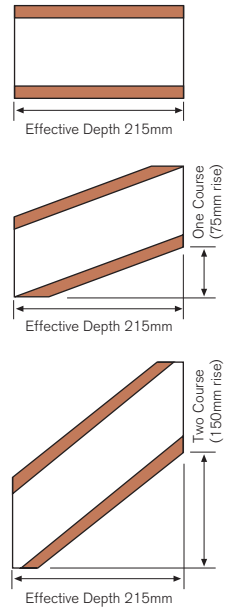


Inclined Pattern
One Course Rise (75mm Rise)
List No. 407-409

Standard effective depth of ducts is 200mm. Other sizes available on request.

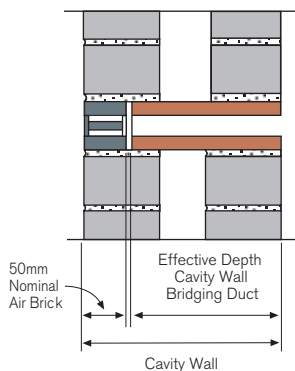


Inclined Pattern
Two Course Rise (150mm Rise)
List No. 403-405

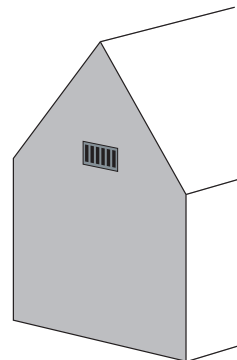
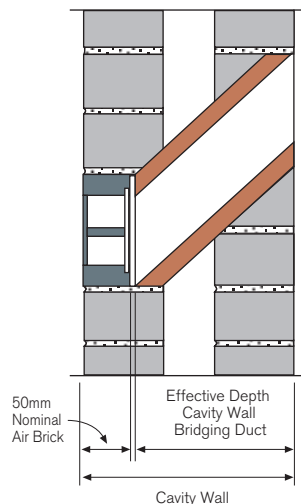


Typical Installations

Air Brick with horizontal duct



Air Brick with inclined duct

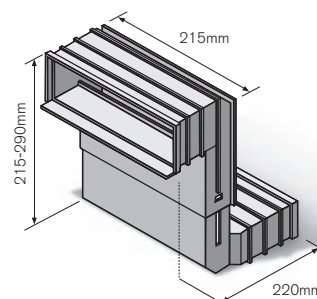


Sited in the gable wall this is a suitable method of contributing towards the required roof ventilation.

The use of rectangular hole airbricks and inclined ducts as shown provides maximum ventilation and eliminates rain penetration.

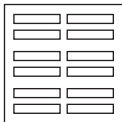
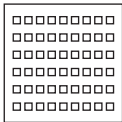
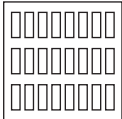
Extendable Cavity Wall Bridging Duct List No. 420

The "periscope" type design allows the suspended floor to be at or below surrounding ground level, thereby saving on brickwork in construction, and gives vertical adjustment for 3 to 4 brick courses. The lower end is protected by a 9mm grille. It provides a clear airway which cannot be blocked by mortar and will bridge cavities from 50 to 100mm. The sleeve joint may be sealed with tape if necessary.

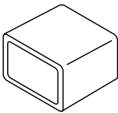
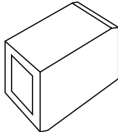
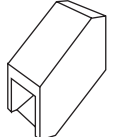


Technical Information

Air Bricks Contact Hanson Red Bank for details of your nearest stockist. Air Bricks can be coloured to order.

type	list no.	size (w x h x d)	min free air space
louvre	 363	215 x 65 x 50mm	1400mm ²
	364	215 x 140 x 50mm	2800mm ²
	365	215 x 215 x 50mm	4500mm ²
square	 350	215 x 65 x 50mm	1300mm ²
	351	215 x 140 x 50mm	2900mm ²
	352	215 x 215 x 50mm	4500mm ²
rectangular	 372	215 x 65 x 50mm	2300mm ²
	373	215 x 140 x 50mm	6000mm ²
	374	215 x 215 x 50mm	10250mm ²

Cavity Wall Bridging Ducts

type	list no.	size (w x h)	effective depth (200mm standard)
horizontal	 400	215 x 65mm	100 - 300mm in 25mm progressions
	401	215 x 140mm	
	402	215 x 215mm	
inclined one course	 407	215 x 65mm	150 - 300mm in 25mm progressions
	408	215 x 140mm	
	409	215 x 215mm	
inclined two course	 403	215 x 65mm	150 - 300mm in 25mm progressions
	404	215 x 140mm	
	405	215 x 215mm	

Summary Of Minimum Provision For Ventilation

Dwelling	Background Ventilation
Habitable rooms	4000mm ²
Kitchens	4000mm ² or one air change per hour by fan

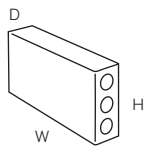
Summary Of Minimum Provision For Combustion Air

All combustion appliances need air to work efficiently and in many instances it is compulsory to provide permanent open background ventilation.

For further information on the minimum ventilation requirements please refer to Approved Document 'J' 2001.

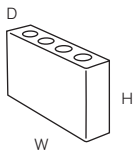
TerraBlock Technical Data

Colours: Red Terracotta and Buff Terracotta



TerraBlock

Nominal Module W x H x D (mm)	Actual Work Size W x H x D (mm)	Weight per Block (kg)	Number per m ²
450 x 225 x 90	440 x 215 x 90	17	10
450 x 150 x 90	440 x 140 x 90	12	15
400 x 200 x 90	390 x 190 x 90	13	13
400 x 150 x 90	390 x 140 x 90	10	17



TerraBlock

Nominal Module W x H x D (mm)	Actual Work Size W x H x D (mm)	Weight per Block (kg)	Number per m ²
338 x 215 x 90	328 x 205 x 90	13	13
338 x 150 x 90	328 x 140 x 90	9	20
225 x 225 x 90	215 x 215 x 90	9	20
225 x 150 x 90	215 x 140 x 90	7	30

Other sizes of TerraBlock can be made to order.

Special Units

390mm and 440mm TerraBlocks:
Stop End units (required when header is exposed).
External and Internal mitres (Bonded if required).
Rebated Pistol blocks and other special shapes made to order.

328mm and 215mm TerraBlocks:

Extruded Returns and Reveal blocks.

Rebated Pistol blocks and other special shapes made to order.

Compressive Strength: 23.7 N/mm² – 60.0 N/mm²

Absorption: Average 5.5% by volume

Durability: Fully Frost Resistant (tested to 100 cycles of Freeze/Thaw)

Thermal Conductivity: Protected condition (1% moisture) 0.77 W/mK
Exposed condition (5% moisture) 1.04 W/mK

Design: TerraBlocks are suitable for half or stack bonding patterns. Bed joint reinforcement will be required for laterally loaded and stack bonded blockwork. A data sheet is available on request. Full recommendations and guidance for the structural design of masonry can be found in BS 5628: Parts 1,2 and 3.

Quality Assurance - Hanson Red Bank is a BSI Registered Firm - all materials are tested and manufacturing procedures assessed to the relevant standards.

Composition - Terracotta is made from specially selected clays chosen for colour and durability.

Thermal Measurements - Thermal Conductivity - W/m²K. Protected condition (1% moisture) 0.77. Exposed condition (5% moisture) 1.04. Coefficient of Thermal Expansion - between 20°C and 50°C. $4.3 \times 10^{-6}/^{\circ}\text{K}$.

Combustibility - Terracotta is non combustible.

Acid Resistance - Terracotta is resistant to polluted atmospheres and all but the most corrosive acids.

Frost Resistance - Terracotta is frost resistant and products remain undamaged after being subjected to rigorous, continuous freeze/thaw cycles.

Dimensional Tolerances - As per BS 4729: 1990.

Colour Fastness - Past experience has shown no significant fading or deterioration of terracotta colours.

Quality Assured



Hanson Red Bank

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