

Uniclass L32:P336	
CI/SfB	Fg2

December 2005

Air Bricks & Ducts

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Total Walling Solutions

Cavity Wall Bridging Ducts

Cavity Wall Bridging Ducts are produced in Red Terracotta and a variety of lengths to suit different wall thicknesses. The standard size of ducts is 200mm; other sizes are available on request.



Horizontal Pattern

List No. 400-402



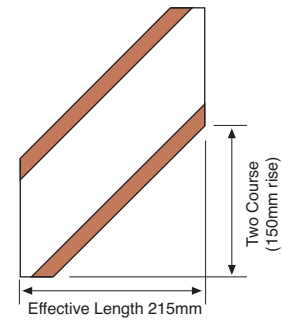
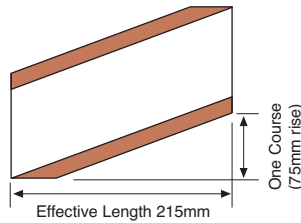
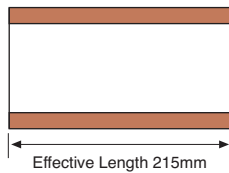
**Inclined Pattern
One Course Rise
(75mm Rise)**

List No. 407-409



**Inclined Pattern
Two Course Rise
(150mm Rise)**

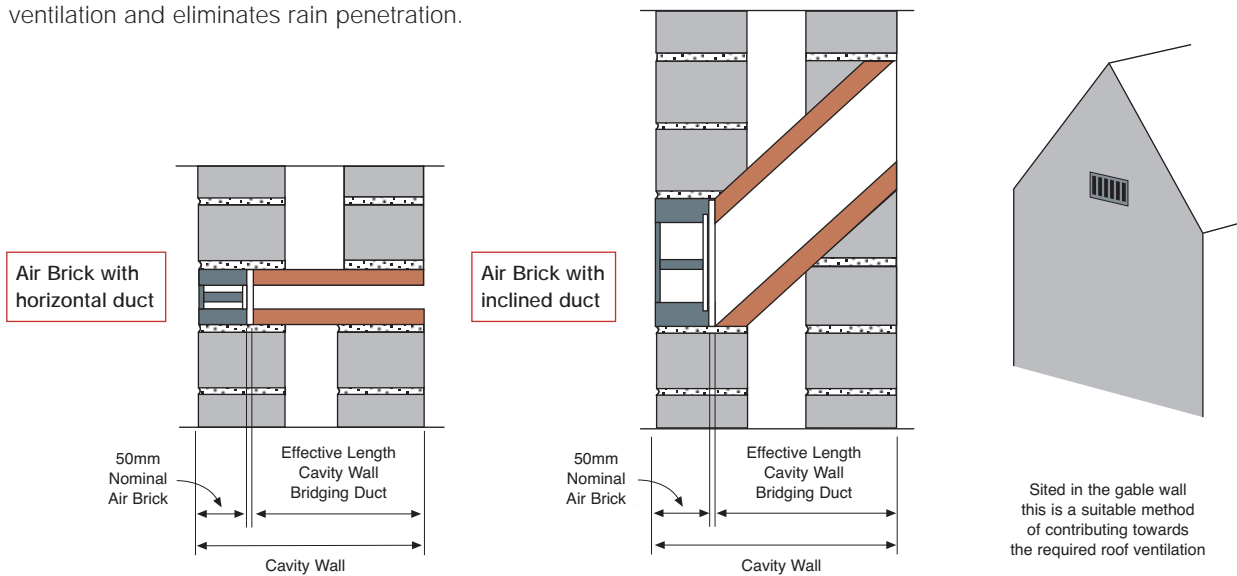
List No. 403-405



Type	List no.	Size	Effective length (200mm standard length)
 Horizontal	400	215 x 65mm	100 - 300mm in 25mm progressions
	401	215 x 140mm	
	402	215 x 215mm	
 Inclined one course rise	407	215 x 65mm	150 - 300mm in 25mm progressions
	408	215 x 140mm	
	409	215 x 215mm	
 Inclined two course rise	403	215 x 65mm	150 - 300mm in 25mm progressions
	404	215 x 140mm	
	405	215 x 215mm	

Typical Installations

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



Summary of Minimum Provision

Ventilation

Habitable rooms

Background ventilation: 4000mm²

Kitchens

Background ventilation: 4000mm²
or one air change per hour by fan

Combustion Air

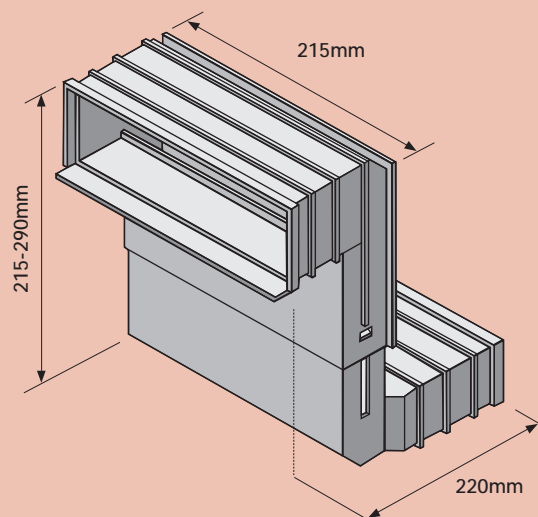
All combustion appliances need air to work efficiently and in many instances it is compulsory to provide permanent open background ventilation.

For further information on minimum ventilation requirements please refer to Approved Document 'J' 2002.

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.



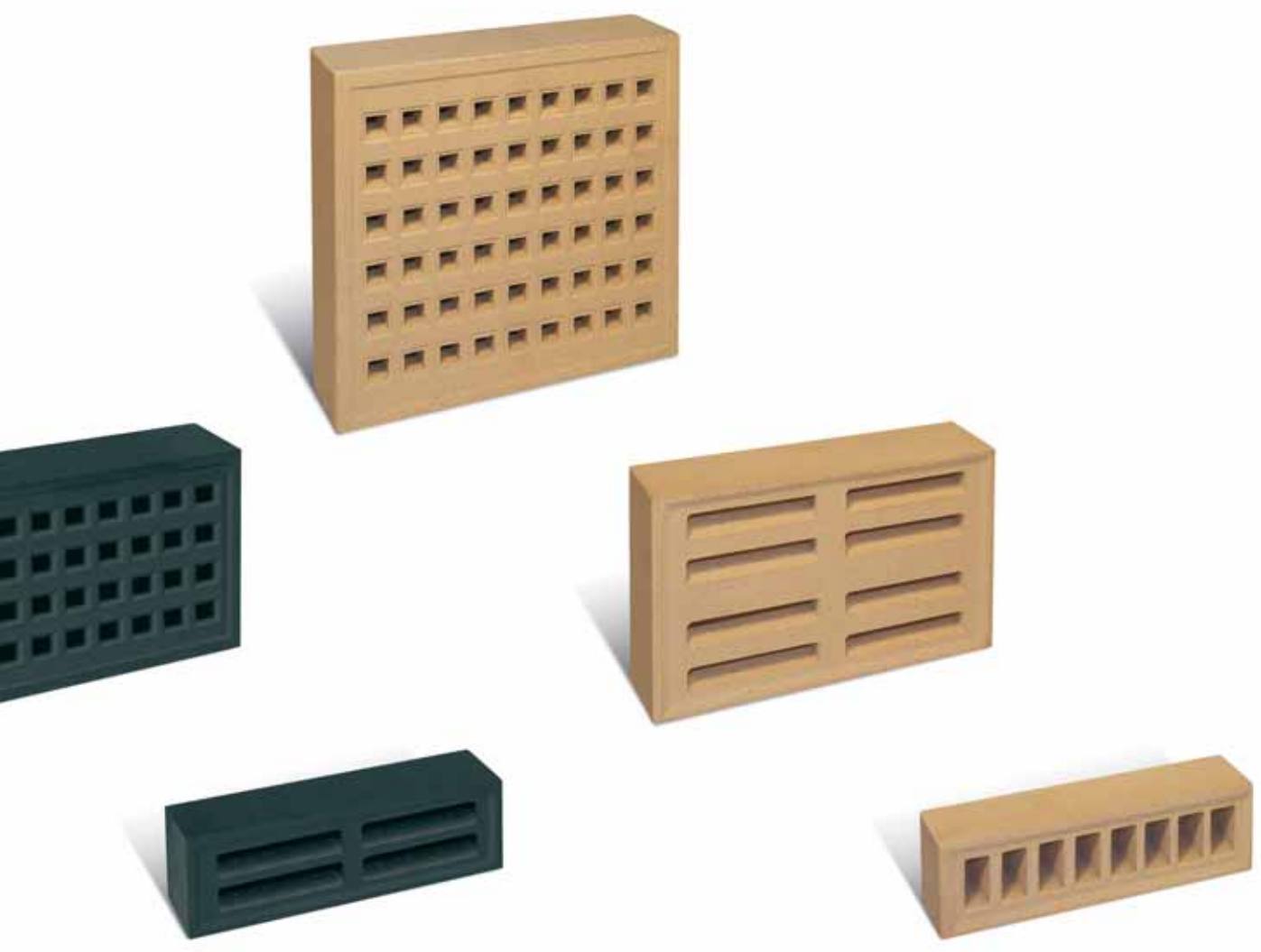
Air Bricks



Red Bank Air Bricks are produced in three standard smoothfaced colours (Red Terracotta, Buff Fireclay & Blue-Black), with a choice of three styles (Louvre, Square & Rectangular) and three sizes.

Sandfaced and textured finishes are made to order in a variety of colours – please refer to the colour swatches on the opposite page.

Type	List no.	Size (width x height x depth)	Minimum Free Air Space
 Louvre	363	215mm x 65mm x 50mm	1400mm ²
	364	215mm x 140mm x 50mm	2800mm ²
	365	215mm x 215mm x 50mm	4500mm ²
 Square Hole	350	215mm x 65mm x 50mm	1300mm ²
	351	215mm x 140mm x 50mm	2900mm ²
	352	215mm x 215mm x 50mm	4500mm ²
 Rectangular Hole	372	215mm x 65mm x 50mm	2300mm ²
	373	215mm x 140mm x 50mm	6000mm ²
	374	215mm x 215mm x 50mm	10250mm ²



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

Red Bank also offer a unique 'colour to order' service.
Please contact our Sales Office for details of this service and local stockists.

Technical Data

Quality Assurance

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.

Mechanical Strength

Compressive Strength >7.0 N/mm² modulus elasticity (E) of 4.38 x 10¹⁰ N/m².

Water Absorption

An average of 6% (by weight).

Thermal Measurements

Thermal Conductivity - W/m²K. Protected condition (1% moisture) 0.77. Exposed condition (5% moisture) 1.04. Coefficient of Thermal Expansion - between 200°C and 500°C. 4.3 x 10⁻⁶/°K.

Combustibility

Terracotta is non combustible.

Acid Resistance

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

Efflorescence

Terracotta is free from efflorescence.

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.



This price list 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.



The colours in this brochure are as true as can be obtained by the normal printing process.

Red Bank Manufacturing are committed to a program of continuous product development and reserve the right to alter specifications without prior notification.

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Quality Assured

