



**CAST IRON AIR BRICK COMPANY**

Building Architectural Enhancements

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Specification Sheet - Ciab9x6-2018/2

[www.castironairbricks.co.uk](http://www.castironairbricks.co.uk)

## Double Brick Size Cast Iron Air Brick

Item GRID6 - VV6 - L6 - HM6 - FLY6 - MAX6 - WIN6 - Y6



Cast iron air bricks are made from grey iron, cast in sand moulds bonded with resin to a fine cast finish. They are available in numerous sizes and are grouped according to the number of bricks they replace ie, single, double and triple and 12x6 inch. Here we look at the eight different types of double air bricks we have in the range and the photo above is an example from top to bottom of ... Victorian vertical slotted air brick (VV6), maximum air (MAX6) and grid pattern (GRID6)

### **Uses**

Mainly used as exterior air bricks , the double air brick is predominantly used to supply room ventilation especially for combustion of solid fuel appliances and to reduce condensation. The air bricks are mortared into the walls in the place of two bricks and designed to sit flush with the surrounding brick work.

### **Examples**

The MAX6 is one of our most efficient cast iron air bricks and allows a huge 18,000mm<sup>2</sup> of aspiration through its square holes and has been used on the conversion of Hampstead Manor by developers Mount Anvil and Nash's house in Stratford upon Avon.

One of the simplest and our earliest design is the grid pattern air brick (item GRID6). It was a design typically used during Georgian and Victorian period and it's no surprise that we've supplied many properties across the country including the Horniman Museum in Forest Hill London, Barratt London for their Blackfriars Rd development and Historic Scotland for renovations in Edinburgh.

### **Finish**

The double sized cast iron air bricks can be either bare metal or painted black. We can supply bespoke RAL painted air bricks to match customers' existing brickwork or requirements. Please note that items painted in such a way are nonreturnable, there is an additional charge for this and it will add 1-2 weeks onto the delivery time.

### **Environmental Benefits and Longevity**

All the cast iron air bricks we commission are UK made and every product in this size, with the exception of the WIN6 is made in West Midlands, England. The WIN6 is made in Sheffield, England.

Cast iron is not affected by UV and is fire resistant and fully recyclable. The cast iron used in the manufacture of this product is sourced from scrap iron with the addition of a small amount of pig iron. On average, 95% of the casting is recycled material. The moulds used to create the castings are generated using sand that is packed in a box with one of our patterns and this sand is used again and again to create further castings.

Casting in the UK has ensured all our products are made to strict emission and pollution levels in accordance with the latest legislation and that the workers creating these products are fairly paid and have a safe working environment in which to earn a living.

Melting iron requires a substantial amount of energy from either gas or electricity and to offset the CO<sub>2</sub> emissions from this process we have planted over 300 trees in our own 3 acre wood. The annual

absorption of CO2 from our wood is enough to ensure the production of our castings is carbon neutral.

As we don't import any of our products, the mileage from foundry to our finishing workshop and distribution bay in North Devon is very low keeping our carbon footprint small and once installed we expect this air brick to last a life time.

### **Maintenance**

The bare cast iron air bricks will rust but this rust forms a protective layer to prevent further corrosion and requires no further maintenance. Bare metal air bricks are ideal for installation in red brick properties but may stain light coloured brickwork or light coloured rendered properties. Painted air bricks use three part epoxy primer followed by two part epoxy black gloss top coat which is extremely hard wearing and is unlikely to require repainting within a decade unless the paint is chipped or the air brick exposed to salt. The gloss paint will dull over time, in exposed conditions it is likely to dull to a satin sheen in a year or two.

### **Notes for architects**

The VV6 is the front part of the hit and miss air brick. It is often seen in Victorian properties and requested as a like for like replacement by clients and conservation officers who are perhaps unaware of how it originally worked. The items we sell are newly cast and still have the telltale hole for the slider in the centre of the vent giving a clue to its past history.

The louvre L6, hit and miss HM6, flyscreen FLY6 and metric Windsor WIN6 air bricks all have individual specification sheets that can be used as well as this sheet.

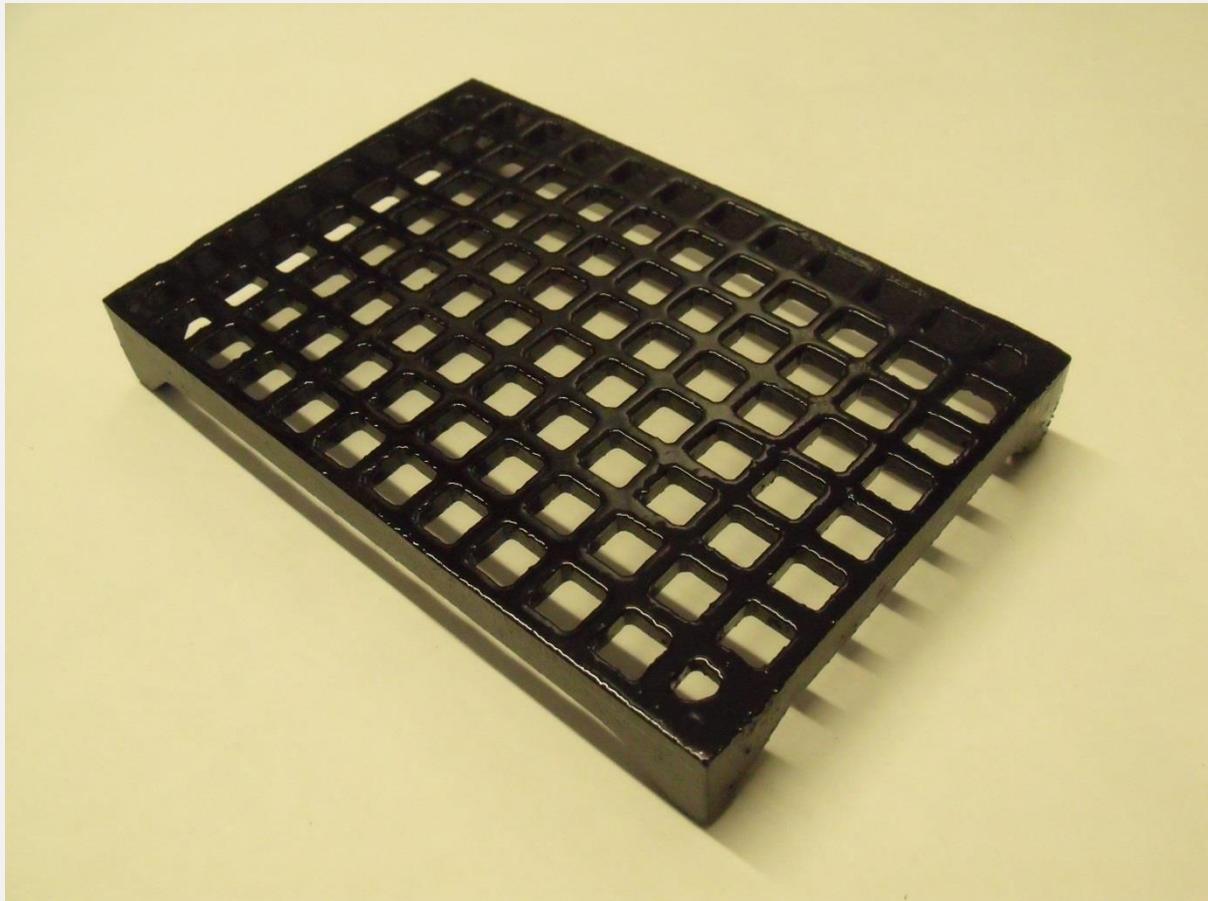
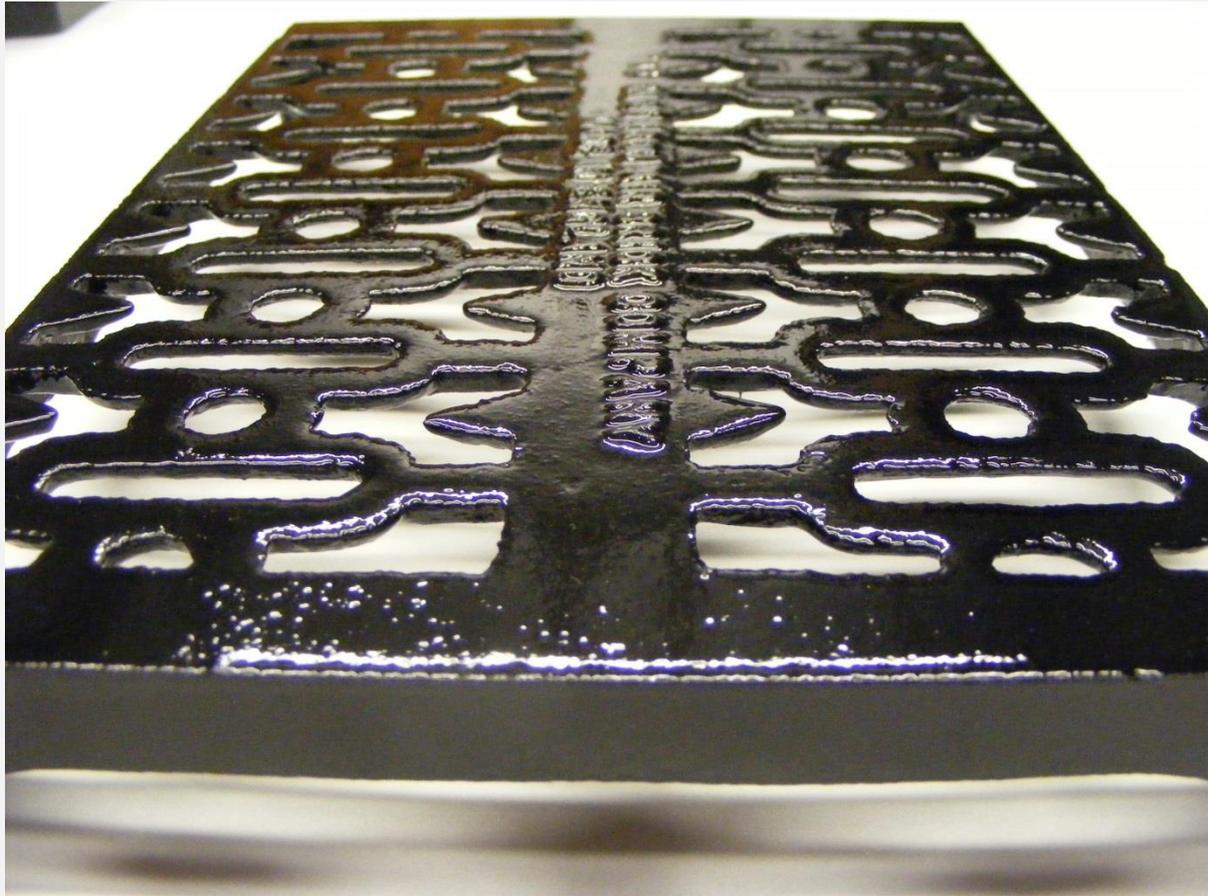
**SPECIFICATION TABLE – DOUBLE SIZE AIRBRICKS**

<b>Item Code</b>	<b>Nom. Size (Inch)</b>	<b>Size in mm</b>	<b>Vent Size (mm)</b>	<b>Weight (KG)</b>	<b>Free Area with mesh (mm<sup>2</sup>)</b>	<b>Plate Thickness (mm)</b>	<b>Depth (mm)</b>
<b>WIN 6</b>	8.5 x 5.2	213 x 132	10x40x2	2	9000	6	50
<b>GRID6</b>	9 x 6	228 x 153	9 x 9	1	8,500	4	25
<b>MAX6</b>	9 x 6	228 x 152	14 x 11	1.2	18,000	6	30
<b>HM6</b> <b>VV6</b>	9 x 6	225 x 150	8 x 125	1.6	10,500	4	35
<b>L6</b>	9 x 6	222 x 150	8	1.2	8500	5	42
<b>Y6</b>	9 x 6	226 x 152	-	1	11,000	4	30
<b>FLY6</b>	9 x 6	228 x 151	16 x 16	2.4	8500 (with mesh)	7	50

**Material – Grey cast iron 250**

**British Made Product**

Cast iron foundry source – West Midlands, England (except WIN6 which is made in Sheffield)



For more details please see our website...

<https://www.castironairbricks.co.uk/product-category/cast-iron-air-bricks/airbrick-9x6inch/>

Alternatively email or call us

[Sales@castironairbricks.co.uk](mailto:Sales@castironairbricks.co.uk)

01598 711999

Delivery for this product is normally from stock for low volume orders and these are sent out the next working day for orders received before 12 o'clock. Ideally we hold 30 units bare metal and 10 units painted black of each design although this is a guide and can quickly change. If we need to paint more black this will be 5-7 days longer, bespoke painted fronts (customer supplied RAL) are typically 10-14 days

Cast Iron Air Brick Company, Down Farm, Brayford, EX32 7QQ



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