

## SMART Airbrick Installation Instruction

### You will need –

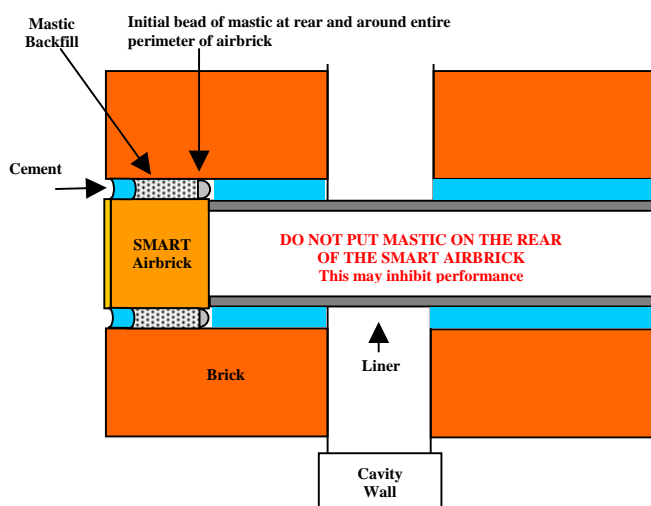
- Power Drill – 6 or 7mm masonry drill bit.
- Lump Hammer
- Cold Chisel
- Mastic (suitable for sealing between double glazing units and bricks)
- Sand and cement mixture

Using the drill and bit, drill 50mm deep holes in the mortar surrounding the Airbrick. The more holes the better. Use the Cold Chisel and hammer to chop out the brick. For fiddly corners use a jointing or plugging chisel.

Check fit of SMART Airbrick. There should be room for a thick layer of cement all the way around.

Having removed the brick sweep out the hole with a paintbrush or similar. Place a bead of Mastic around the rear of the new SMART Airbrick ensuring the mastic does not seal the cartridges to the rear of the brick body and place into the hole. Hold in position with appropriate spacers.

Fill around the brick with Mastic allowing room for the brick to be pointed with the sand and cement mix. Allow to cure, following the manufacturers instructions.



Mix sand and cement.

Once the mastic has cured point the SMART Airbrick with cement.

Ensure the cement does not cover the front panel. Point the mortar to match the style of the wall.

## SMART Airbrick Maintenance Instruction

The SMART Airbrick has been designed to ensure free airflow under the property eliminating the risk of damp and the collection of poisonous gasses from the central heating, provide protection against animal intrusions and to act as a flood protection device when needed. It is made from a variety of high quality materials and components therefore once fitted correctly the SMART Airbrick will provide excellent protection.

To ensure that the SMART Airbrick functions correctly please follow these simple instructions –

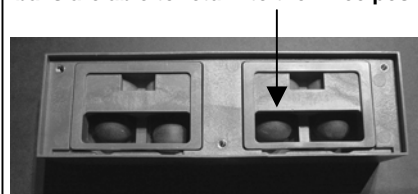
- Ensure the SMART Airbrick is never obstructed.  
Plants, soil and leaves should be kept away.
- Regular checks  
Regular simple maintenance is recommended-  
- VISUALLY INSPECT THE SMART AIRBRICK.  
- ANY DIRT, DUST AND SMALL PARTICLES SHOULD BE WASHED AWAY BY USE OF A HOSE OR WATERING CAN THROUGH THE FRONT GRATING.  
- ENSURE VALVE BALLS ARE IN THEIR FREE POSITION (see diagram opposite)

### • During and Post Flooding

The SMART Airbrick will be automatically activated during flood conditions or strong winds. Floodwater is invariably soiled water. When the flood recedes dirt and debris may be left inside the SMART Airbrick preventing efficient operation.

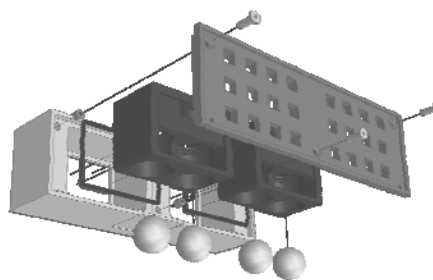
To remove any dirt and debris simply jet water using a garden hose through the front panel and check that the valve balls are in their *free position*.

If the balls do not fall down freely simply remove the front panel by undoing the 3 stainless steel screws using a Phillips screw driver, DO NOT remove cartridges, wash around the balls ensuring debris is removed and valve balls are able to return to their free position.



**Free Position** - Means the balls must be positioned at the bottom of the brick and free to move.

## Maintenance Diagram



### Repair kits and replacement parts

Extensive repair kits and replacement parts can be purchased from your supplier. If unsure please contact your supplier for advice.

### Warning

If the unit is not installed and maintained in accordance with the manufacturers instructions the manufacturer assumes no responsibility for any resulting loss. The SMART airbrick has been designed specifically for home application with floodwater and air as the working fluids; any other use is a misapplication. For example, use to prevent leakage of hazardous industrial chemicals. In the event of misapplication, the manufacturer assumes no responsibility for any resulting loss.

***Please Note – The SMART Airbrick has not been tested as an air supply for combustion appliances.***

*Once correctly installed, following the manufacturers instructions, the SMART Airbrick is designed to stop the ingress of floodwater through the airbrick only and not through any other entry points such as cracks, gaps, and permeable brickwork.*

**This document should be passed onto the next homeowner in the event of a property sale.**