

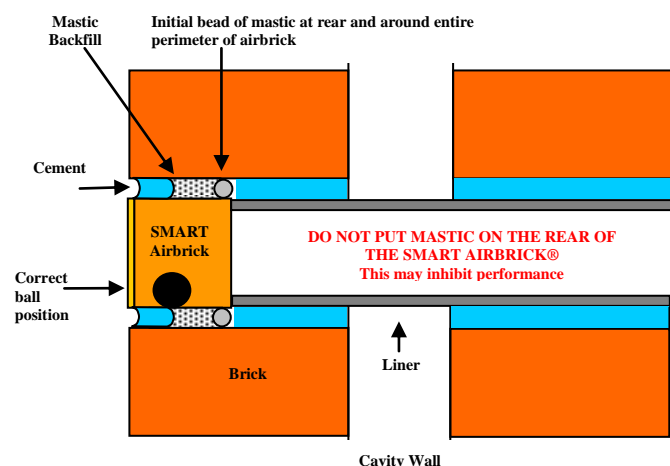
SMART Airbrick® Installation Instruction

You will need –

- Power Drill – 6 or 7mm masonry drill bit.
- Lump Hammer and cold Chisel.
- Mastic Gun.
- Mastic, neutral cure silicone (suitable for sealing between double glazing units and bricks)
- Sand and cement mixture. (PVA optional additive)
- Masking tape.

Using the drill and bit, drill 50mm deep holes in the mortar surrounding the clay 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. Protect the front cover of the smart airbrick with masking tape. 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 and seal any remaining friable material with PVA. Place a bead of Mastic around the rear perimeter of the new SMART Airbrick® as shown, ensuring the mastic does not go onto the rear of the brick body then place the brick into the hole. (It may be easier to allow the mastic bead to cure.) Ensure SMART Airbrick® is installed the correct way up. Single central screw positioned at base, balls must be visible at base through front grill. Hold brick centrally in position with appropriate spacers.

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



Once the mastic has cured point the SMART Airbrick® with mortar to match existing brickwork, (PVA can be added to improve adhesion). Ensure the cement does not cover the front panel and that the front panel can be easily removed for maintenance. Remove masking tape.

SMART Airbrick Maintenance Instruction

The SMART Airbrick® has been designed to ensure free airflow under the property reducing the risk of damp and the collection of poisonous gasses from 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.

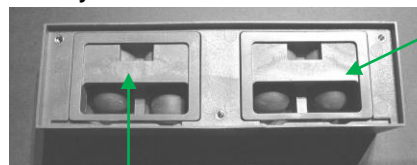
To ensure that the SMART Airbrick® functions correctly please follow these simple instructions –

- **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, WILDLIFE AND SMALL PARTICLES SHOULD BE WASHED AWAY BY USE OF A HOSE OR WATER JET THROUGH THE FRONT GRATING.
- ENSURE VALVE BALLS ARE IN THEIR FREE POSITION (see diagram opposite)

For Annual thorough cleaning 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 remove the front panel by undoing the 3 stainless steel screws using a cross head screw driver, jet in water using a garden hose and check that the valve balls are in their free position. Should a more thorough clean be required please follow the customer care and information sheet available on the web site or from us directly.

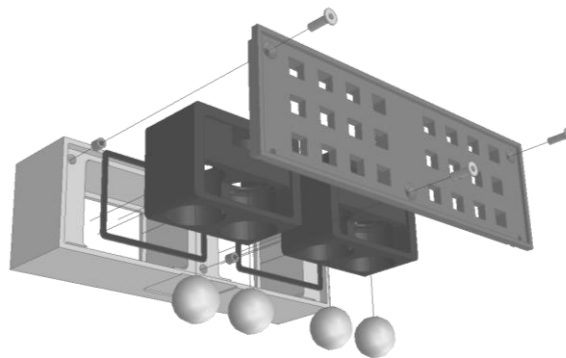


Cartridge

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

Eco-coverage Technologies are committed to support your product and carry extensive spares.

- Repair kit -front panel, valves, seals, -
- cartridges and screws ECO-06-10
- Square seals 2 off - ECO-06-2
- Valve balls 4 off - ECO-06-3
- Stainless steel screws 3 off - ECO-06-4

Please state colour when ordering the repair kit
For more information please visit our web site –

www.ecocoverage.co.uk

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 inhibit the ingress of floodwater through the airbrick only and not through any other entry points such as cracks, doors, windows, holes, gaps, and permeable brickwork. It is strongly recommended that a total flood system is installed including a pump.

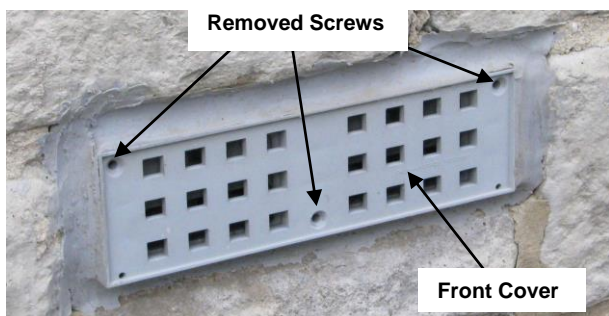
This document should be kept within the property pack and therefore passed onto the next homeowner in the event of a property sale.

SMART Airbrick®

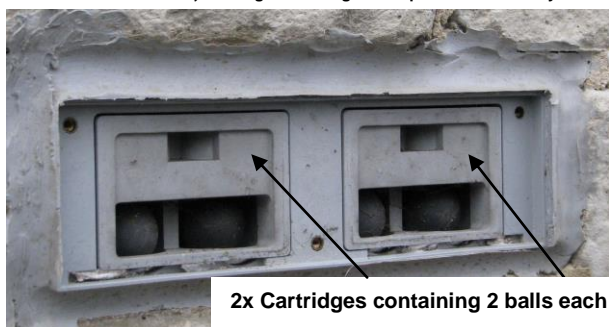
Customer Care and information

As part of Eco-Coverage product follow up it has been observed that some customers have not carried out the regular maintenance and checks in accordance with the maintenance sheet provided with the product. It is important for efficient operation that any dirt and debris is removed and is not allowed to accumulate. If your product has not been regularly maintained the following procedure should be carried out. This should take only a few minutes for each SMART Airbrick® and will ensure that the SMART Airbrick® functions correctly.

Using a cross head screw driver undo the 3 stainless steel screws attaching the front cover to the SMART Airbrick® body and remove the front cover. Carefully store the parts.



Front cover removed, cartridges showing build-up of debris after 4 years.



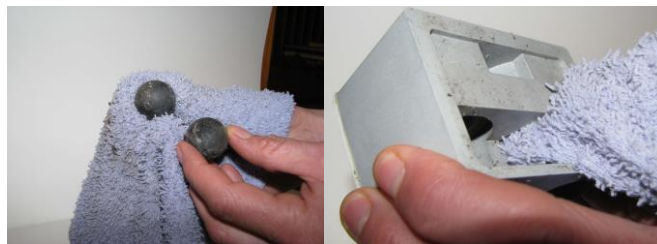
Carefully slide out both cartridges, remove the 4 balls.



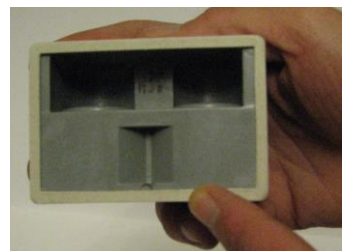
CAREFUL - The balls will drop out the bottom of the cartridges.



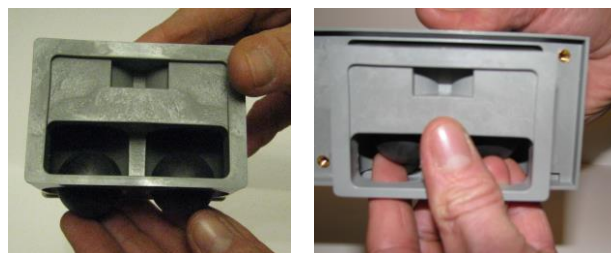
With a damp cloth clean all the components.



Don't forget to clean inside the brick body and the front cover. Before reassembly - Check condition of the foam silicon picture frame seal on the back of the cartridge, these should not have any breaks.



Reassemble the cleaned balls into the cartridges and slide back into the SMART Airbrick® body holding the balls in position from under the cartridges.



Ensure balls are free to move at the bottom of the brick. Replace front cover and complete assembly with the 3 stainless screws. These should only be pinched up, **THEY SHOULD NOT BE TIGHT**



In the unlikely event that any of the parts are damaged all parts are available from Eco- Coverage Technologies Ltd.

Repair kits and replacement parts

Eco-coverage Technologies are committed to support your product and carry extensive spares.

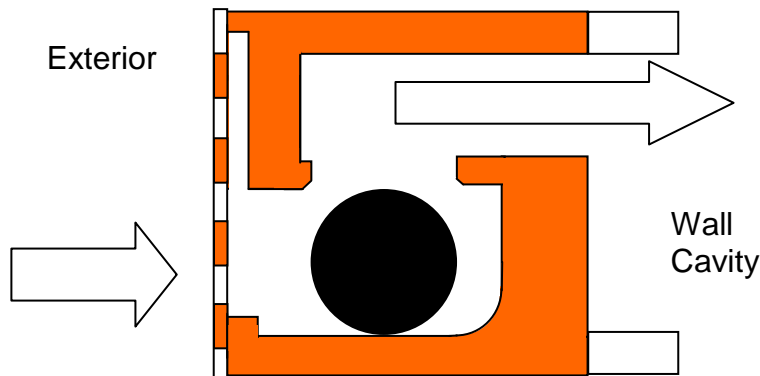
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 Valve balls 4 off - ECO-06-3
 Stainless steel screws 3 off - ECO-06-4
 Please state colour when ordering the repair kit
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Please note: Airbricks are only one point of water entry and any unsound brickwork cracks and holes should be repaired. If your home is not built on concrete base water can seep under the house, in this case a pump may be required for prolonged floods.

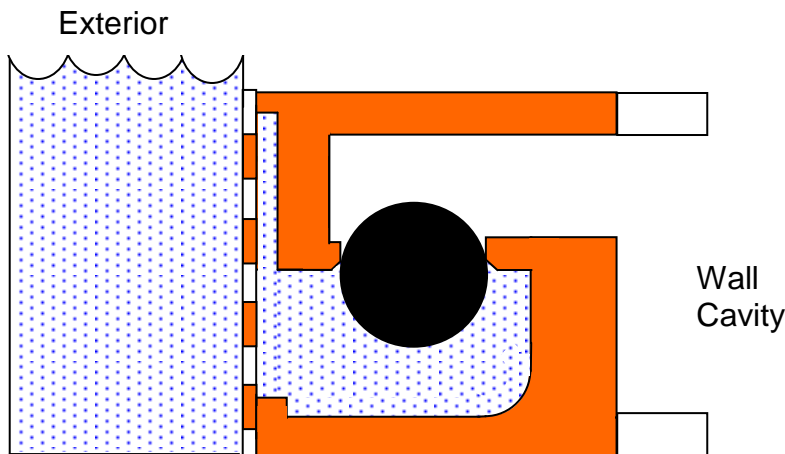
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The 'SMART' Airbrick® in Action



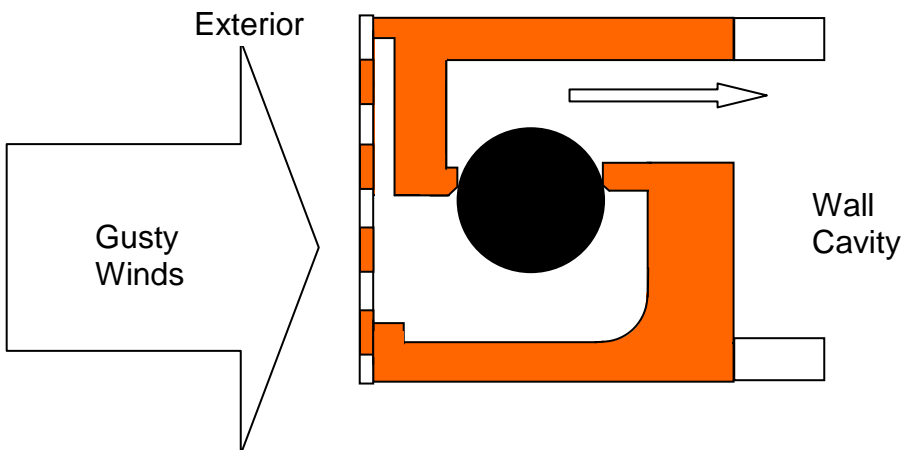
Normal Conditions

The SMART Airbrick® is a straight replacement for a standard clay airbrick allowing free airflow under the floorboards eliminating the risk of damp and dry rot and stopping rodent infestation.



Flood Conditions

The SMART Airbrick® uses a simple floatation valve to automatically shut off during flood conditions. 4 valve balls float on the floodwater automatically stopping the flow of water under the property.



Very Windy Conditions

The SMART Airbrick® utilises its aerodynamic design to automatically shut off during strong gusty winds. This reduces heat loss from under the property and could potentially save energy.