

# Anti-Flood Air Brick

- Anti-flood valve, which closes with rising floodwater
- Straight replacement for standard clay or plastic air bricks
- Removable grille, allowing easy access for maintenance and inspection purposes
- Maintains essential airflow complying with BS 493:1995
- Integrated mesh unit stops insects and debris entering
- Can be fitted to single, double and triple air brick apertures
- Kitemark Certified to BS 851188-1



The Fernco Anti-Flood Air Brick is a straight replacement for a standard clay or plastic Air Brick. This innovative product seamlessly integrates into properties, providing a robust barrier against floodwater while maintaining essential airflow.

Inside the Fernco Anti-Flood Air Brick is an innovative self-sealing valve which automatically seals the vent during a flood event. The valves are lifted by rising water, creating a watertight seal.

The valve will re-open once the water has receded, allowing ventilation to the sub-floor of the building once again.

The Anti-Flood Air Brick is a passive flood protection product, which means no manual intervention is required to prevent the property from flooding.

|               |                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------|
| Product Code  | AFAB-TER, BUF, BLK                                                                                 |
| Description   | Fernco Anti-Flood Air Brick                                                                        |
| Size (mm)     | W = 210 H = 62 D = 73.5                                                                            |
| Material      | Polypropylene                                                                                      |
| Colours       | Terracotta, Buff, Black                                                                            |
| Standards     | BS 493:1995<br>BS 851188-1                                                                         |
| Air Flow Rate | Minimum geometric open area = 2400mm <sup>2</sup> (UK standard requirement = 1500mm <sup>2</sup> ) |



# Installation



## Easy installation steps

1. Unscrew the front grille and remove the instructions and small red locking tab from the self-sealing valve. Then screw the front grille back on before installation. Do not remove the protective film until the installation is complete.
2. Remove the mortar from around the Air Brick.
3. Once the Air Brick is loose, remove it from the wall and ensure that there is no mortar obstructing the corners. Clean the aperture with a brush.
4. Mix a mortar of sand, cement and PVA and wet the aperture with water.
5. Ensure the front side of the Fernco Anti-flood Air Brick is upright and correctly oriented, the spacers are situated on the bottom.
6. Insert the Fernco Anti-Flood Air Brick and point around ensuring that the full bed of mortar is achieved across the depth of the brick. Use the lip on the rear edge of the brick to ensure the mortar is installed to the correct depth, paying attention to the type of mortar and the style of pointing. The face of the brick should sit flush with the wall.
7. Remove the film sticker to complete the installation.

\*It is important that the Fernco Anti-Flood Air Brick is installed with the utmost care, ensuring that all pointing is faultless to prevent any water entering the foundation of the property.

Double (or triple) Air Bricks can be replaced with two (or three) AFAB replacements placed one on top of the other and aligned with the mortar joints of the two (or three) courses of bricks. The 8mm lip on the bottom rear edge of the AFAB can be removed using a hack saw to ensure the top brick sits comfortably above the lower brick. Make sure the mortar is fully dry before removing the front face of the AFAB for maintenance inspection.

# General Information

## Quality, Standards and Approvals

Fernco has been certified by the British Standards Institution (BSI) as a company of assessed capability, with a quality management system which meets the requirements of BS EN ISO 9001:2015

Fernco UK, part of a global group of companies, are the leaders in wastewater connection innovation; utilising the most advanced methods and techniques for precision-manufactured products, all of which comply with or exceed relevant British and European standards to ensure reliability and sustainability.

## Environment

Fernco operate Environmental Management Systems which are certified to ISO 14001: 2015.

## Supply

Fernco are proud members of the Builders Merchants Federation (BMF). All Fernco products are supplied through a national and global network of distribution and merchant partners. For stockist details, contact Fernco.

## Technical Support

Fernco have a team of product experts on hand to support all customers with technical support and advice.

Contact Fernco Technical Department:

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