Technical information and installation advice

Through the wall ventilation

Through the wall ventilators provide passive ventilation through external walls into habitable rooms. It is important to differentiate between a ventilator which is required to provide general background ventilation and one which provides air into a room which contains a heat producing appliance such as a central heating boiler or gas fire.

- If the room contains a heat producing appliance the provision of constant and reliable ventilation is vitally important, extra and above to background ventilators. The anti draught ventilator products are strongly recommended for this application as they comply fully with legislation governing gas and heating appliances. The size and number of anti draught ventilator products required will be dictated by the requirements of the particular heating appliance and it is strongly recommended that advice is sought from the manufacturer
- General recommendations for the specification and use of through the wall ventilators are detailed below:
- Always check that the appropriate size and number of through the wall ventilators are used to suit the application
- Never fit just an airbrick. A cavity sleeve must always be fitted to the back of the airbrick to ensure that the air is transmitted effectively through the wall and into the room
- Hit and miss grilles may only be used for general background ventilation, they must **never** be used to ventilate any kind of gas or heating appliance
- Ventilators used to provide air for gas or heating appliances must be permanently open, there must be no facility to block or close the ventilator. Also, they must **not** contain any kind of fine mesh or insect screen
- Through the wall ventilators should always be fitted well above external ground level so as to ensure that rain and snow water cannot enter the ventilator
- It is recommended that a section of horizontal cavity tray
- is installed directly above the through the wall ventilator so as to prevent water from tracking across the cavity sleeve from the outer leaf to the inside of the building
- In order to help reduce the effect of draughts it is worth considering positioning the through the wall ventilator close to any heating appliance rather than at the opposite side of the room. Positioning the ventilator at high level