INTERIA
INTERNAL WALL INSULATION SYSTEM

WETHERBY
Wall Systems
Part of ROCKWOOL Group

InteriA
Internal Wall Insulation

Aftercare and Maintenance Guide

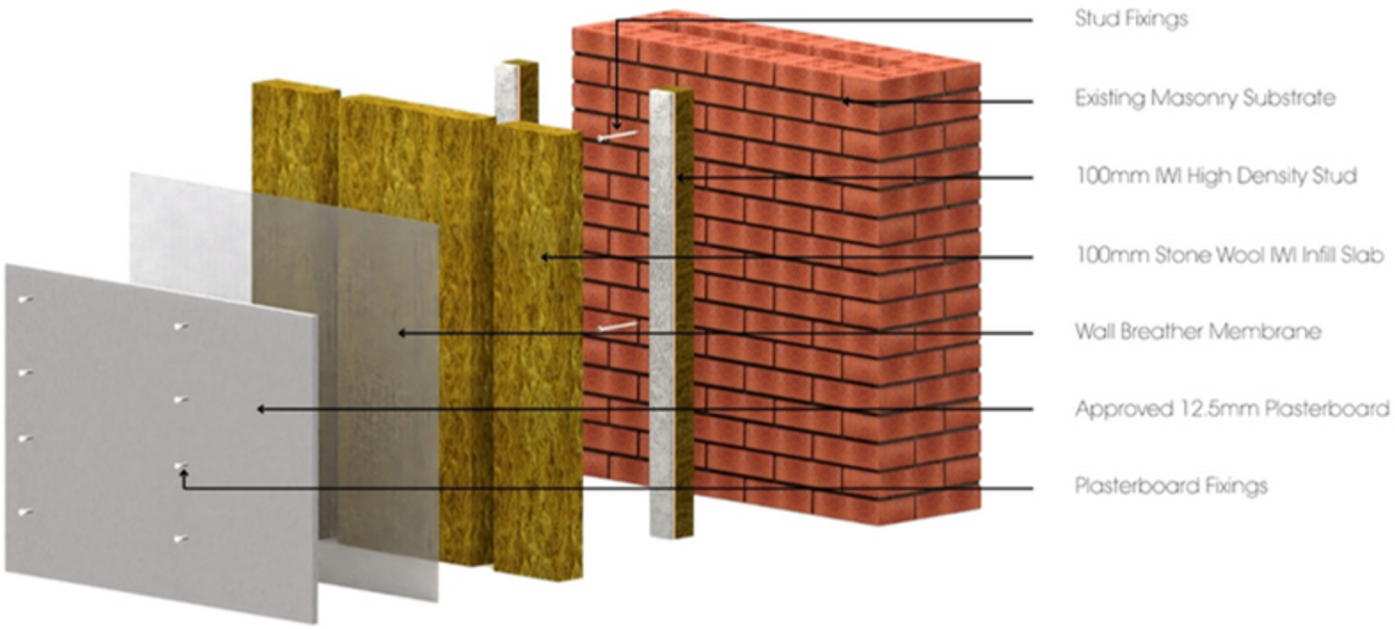
0800 107 3299
technical@wall-systems.co.uk
www.wall-systems.co.uk

This guide provides information on the InteriA IWI System, to help the occupier understand the system, understand the benefits of living in a well-insulated home and how to maintain the integrity of the system.

1.0 InteriA System Information

This owner's manual is for the maintenance, general care and repair procedures for the InteriA Internal Wall Insulation (IWI) System installed at the property.

The InteriA IWI system consists of high-density stud fixed at the head and base of the wall 600mm centres vertically to the substrate. InteriA low density Stone Wool is friction fitted between the studs and the InteriA Breather Membrane is secured to the studs covering the wall to protect from moisture and provide air tightness. The system is finished with a Wetherby approved plasterboard (to BS 520) which is fixed back to the InteriA studs using InteriA collated self-drilling plasterboard screws.



2.0 Living with InteriA

The InteriA IWI system significantly improves the thermal efficiency and air-tightness of your home. The system is air tight but vapour open, allowing the property to breathe whilst enhancing the building overall energy efficiency. It's important to understand how the InteriA Internal Wall Insulation may affect your living environment and how to adapt accordingly:

- With better thermal performance, you may need to adjust your heating settings to maintain a comfortable indoor temperature.
- Ensure that air vents remain unobstructed to allow proper airflow.
- Adequate ventilation is essential—make sure your ventilation systems are functioning correctly and are well-maintained.
- Try to minimise the amount of water vapour produced inside the home. Whenever possible, dry clothes outdoors. If drying indoors, keep windows or doors open. Tumble dryers should be vented to the outside. When cooking, use lids on pans and keep windows or doors open to help moisture escape.

3.0 General care

3.1 Cleaning

The InteriA IWI system is finished with a plasterboard finish which can be finished with plaster, paint or wall paper. Cleaning will depend on the finish used and should be completed in line with the finish manufacturers guidelines where appropriate.

Care must be taken to clean the systems plasterboard if undecorated. Use minimal water, as excess moisture can cause cracking or splitting when it dries. Any damaged plasterboard should be replaced.

3.2 Repair procedures

The Wetherby InteriA System is essentially a non-demountable system, therefore no maintenance is required other than re-decoration when required. If the Plasterboard is damaged then the guidelines below should be followed:

Superficial damage to the plasterboard
If the plasterboard surface has received minor superficial damage (minor damage would be small cracks or chips in the plasterboard), rub down any roughness of the surface with sandpaper; fill the area and feather out with joint finish in two operations allowing the first to dry completely before applying the second.

Deep indents to the plasterboard component
Provided the plaster core of the board was not shattered under the indent, cut out the loose particles, sandpaper and smooth over the surface. Apply a coat of plasterboard joint filler. Allow to set then treat as for superficial damage above.

Extensive damage to linings and framing members
It is important that the replacement components are of the same type as specified and installed. Cut out the affected area of the InteriA system back to the nearest InteriA Insulated Stud. The InteriA Breather Membrane must be in place in all areas to control moisture and air tightness.

Remove InteriA Breather Membrane where required and fix additional InteriA Insulated Studs as necessary to ensure all joints of the replacement board are fully supported and the repaired system is stable. Once studs and InteriA Infill insulation are repaired correctly, the InteriA Breather Membrane must be re-installed to the area ensuing minimum 150mm overlaps onto the existing membrane, sealed with InteriA Reflectafoil Tape.

Wetherby Approved Plasterboard can then be installed to the area, mechanically fixed to the InteriA stud and tightly butting the existing plasterboard.

For further information on installation / repairs, see Wetherby Wall Systems website for installation videos.

3.0 General Care

3.3 Replacing sealants

An Intumescent Sealant is applied to the perimeter / terminations of the Wetherby InteriA System, prior to taping and filling or taping and skimming the plasterboard. The Intumescent Sealant will seal any gaps or cracks that occur in order to prevent additional heat losses arising due to air leakage.

Should the perimeter sealant, sealant around services, where the system abuts adjacent surfaces such as window / door frames etc., be broken so that cracks or gaps occur then the system should be resealed with Intumescent Sealant.

4.0 Installation of fixtures / Fittings

4.1 Light weight fixtures

For light to medium weight items (e.g. mirrors, pictures, small shelves, etc), you can fix directly into the Wetherby InteriA System. Self-drilling drywall anchors (nylon or metal) are the easiest option. They don't require pre-drilling and usually support 3–8kg per fixing, depending on the type and manufacturer.

Wood screws can hold 2–3kg per fixing for very light items (sockets, switches, cable clips, etc). For curtain rails, screws should go through to the insulated studs behind the plasterboard, located with an electronic stud finder.

Steel picture hooks with masonry nails are ideal for hanging pictures or light mirrors, typically holding 3–4kg per fixing (check manufacturer guidance).

Note: Always check with the fixing manufacturer for actual load capacities, as these vary by type and brand.

Specialist nylon plasterboard fixings are another option. Designed with a flange and guide ribs to prevent turning, they lock behind the plasterboard and typically support around 7kg per fixing (confirm with the manufacturer). Their compact design means they do not require cavity space, making them suitable for use with the Wetherby InteriA System.

4.2 Medium weight fixtures

For medium-weight fittings, metal cavity fixings are recommended as they spread the load behind the plasterboard.

Steel expanding "umbrella" fixings typically support around 12kg per fixing on dry linings (check manufacturer guidance).

Advantages are they are easy to install before mounting the fixture, allows refitting without losing the fixing.

Disadvantages are once expanded, the anchor body is permanent and difficult to remove, so are suitable if future removal is required.

4.3 Heavy weight fixtures

Use heavy-duty fixings such as M6 or M8 steel bolts/anchors, typically providing 100–140kg per fixing (confirm with manufacturer) directly back to the masonry substrate.

Suitable for TVs, kitchen cupboards, radiators, heavy shelving, etc., as loads are transferred to the masonry without compromising the InteriA System.

Masonry penetration depth usually ranges 45–55mm, depending on fixing type and manufacturer.

Another option for fitting heavy fixtures and fittings would be to fix directly into the InteriA Stud. Additional studs should be placed to accommodate for this during initial installation.

When installing fixture and fitting, care should always be taken to ensure no electric cables, pipework, etc is at risk of damage.

5.0 Services

Should additional services be installed post installation e.g. additional waste water pipes, fuel feed, pipes, soil vent pipes etc., etc. then the Plasterboard should be core drilled or cut

with a pad / keyhole saw. Provide a close fit by reducing the oversize to a bare minimum. Tape InteriA Breather Membrane around the service using InteriA Reflectafoil Tape. Any damage caused to the Plasterboard by service penetrations should be made good.

This can be achieved by filling any large gaps e.g. 10mm + with Drywall Adhesive.

5.1 Electrical Cables and Socket Outlets

If you need to install electrical cables, it is strongly recommended to mount them on the surface using clips or run them through plastic or metal trunking securely fixed to the plasterboard.

Cables should not be installed behind the plasterboard or embedded within the insulation system, as this may lead to damage and require remedial work. If it is necessary to route cables within the insulation, they must be installed inside conduit and may need to be upsized to ensure safe operation.

Always seek guidance from a suitably qualified and competent person, such as a certified electrician. Any new socket outlets should be surface mounted and securely fixed in place.

6.0 Replacing Windows and Doors

Windows and Doors with the Wetherby InteriA System

Ideally, new windows and doors should be installed before the Wetherby Internal Wall Insulation System, ensuring frames are deep enough to accept the insulation around jambs, heads, and sills.
Reveals should be insulated to reduce cold bridging, using the full InteriA system or InteriA A1 Reveal Board.

Replacement after Installation

If the InteriA System returns into the reveals, windows/doors must be removed from the outside to avoid dismantling the internal lining.

Some reveal damage is likely, repair following Wetherby's repair procedures.

For security and weatherproofing, install and seal replacements on the same day.

Installation Guidance
Position new frames in line with the originals so they overlap the InteriA System, otherwise, the system edges may remain visible.

Check that windows/doors open freely after installation.

Reseal around the reveals if the original seal is broken. Use Intumescent Sealant as per original installation instructions. Ensure any trickle vents remain unobstructed.

7.0 Additional information

7.1 Heating and prevention of condensation

In new buildings, insulation should be optimised so heating demand is minimal and economical. In existing buildings, fabric insulation should be upgraded to the same effect. To reduce condensation, heating must maintain surface temperatures above the dew point. This requires matching the heating system to the building's thermal mass and occupants' usage patterns.

Insulating with the Wetherby InteriA System increases heating responsiveness, especially useful for properties with intermittent heating. As a rule, air temperatures should not fall below 10°C in heated areas. In highly insulated buildings, internal gains (lighting, appliances, computers) may be sufficient to maintain this.

7.2 Condensation: Basic principles

Anyone responsible for the care and maintenance of a heated building should be aware that condensation can cause severe damage and might also pose a health hazard for the occupants.
All air contains some degree of moisture, in the form of invisible water vapour. The warmer the air, the more moisture it can support. When warm moist air is cooled, or comes into contact with a cold surface, the water it contains can be deposited as condensation. This can happen on exposed surfaces (such as a window pane), and cleaning / maintenance is required to prevent mould growth in these areas.

Condensation can also occur out of sight within the fabric of floors, walls and roofs where it is termed "interstitial". This is most likely to happen as a result of air-borne moisture leaking out through cracks, gaps and holes in the building fabric and is potentially much more damaging, this is why it is so important to ensure all gaps are sealed when installing the Wetherby InteriA System. Interstitial condensation will reduce the value of any thermal insulant contained within the building fabric, thereby increasing heat loss from the building and is likely to cause wood to rot and metal to rust.

7.3 How to avoid damaging condensation

The first step in reducing condensation is to limit moisture generation and prevent the spread of moist air between rooms. Activities like cooking, bathing or drying laundry increases humidity. Keep doors closed in kitchens, bathrooms, and laundries, and use extract fans or open windows to remove moisture at the source.

Avoid drying clothes indoors in unventilated spaces. Use outdoor drying, a ventilated room, a drying cabinet or a tumble dryer. Natural ventilation (via vents and airflow) is the most cost-effective way to remove excess moisture. Alternatively, use mechanical extraction such as humidistat-controlled fans.

Keep heating steady across rooms to reduce condensation, avoid large temperature swings. Ensure furniture is not placed directly against external walls, so air can circulate. In unheated rooms, water vapour from warmer areas can accumulate and cause condensation.

8.0 Property specific information

Installer Details	
Name:	
Adress Line 1:	
Adress Line 2:	
City / Town:	
County:	
Postcode:	

Customer Details	
Name:	
Adress Line 1:	
Adress Line 2:	
City / Town:	
County:	
Postcode:	

Customer Signature:	Installer Representative Signature:

It is essential that the contents of this guide are fully explained before the document is handed over.

System name: Wetherby InteriA internal Wall Insulation System.

InteriA System Accreditation No.: KIWA - BAW-25-389-S-A-UK