



Marmox - Underfloor Heating



WETROOMS & BATHROOMS



UNDERFLOOR HEATING



DRY LINING

Introducing Marmox Multiboard underfloor heating insulation

Underfloor heating insulation boards are an important aspect of any underfloor heating system. They provide a suitable foundation on which to lay cables or pipes and they help to ensure that a room retains its heat effectively.

Underfloor heating has recently become a popular choice for heating homes. These systems provide a uniform heat distribution throughout rooms and are very comfortable for walking on with bare feet.

When installing an electric underfloor heating system, the Marmox Multiboard underfloor heating insulation is an ideal choice. With its excellent technical specifications and ease of installation, it not only simplifies setting up an underfloor heating system, it will also help to reduce your heating bills and cut your carbon footprint.

Why choose Marmox Multiboard underfloor heating insulation?

Marmox Multiboard is a fully waterproof insulation board with excellent load bearing strength of 45 tonnes per square metre and is very easy to handle when installing. Marmox Multiboard is unaffected by the freeze/thaw cycle, and being CFC-, HCFC- and asbestos-free, it is safe for use in any location.

When compared to plain polystyrene (which is unsuitable for underfloor heating) Marmox Multiboard out performs on all levels.

As well as underfloor heating insulation, Marmox Multiboard can also be used on walls and ceilings as a waterproofing and insulating surface. It is especially useful in locations where damp can be a problem like wetrooms.

ALSO SEE - [Marmox Sound Reduction Boards](#) for reducing noise from foot fall and other impact noises.



Installing Marmox Multiboard underfloor heating insulation

Whatever the construction of your subfloor, our underfloor heating insulation will be sure to work with it. The system can be installed on both concrete and timber floors.

Fixed with adhesive

Make sure the floor is clean and dirt free.

Using a floor trowel comb a thick bed of cement based flexible tile adhesive over the floor.



Lay Marmox Multiboard down in place and press firmly. Stagger all the joints in a brick like fashion.



Tape the joints with [Marmox Reinforcing Tape](#). For extra waterproofing you can use [Marmox Acrylic Sealant](#) over or between the joints. Or for really wet areas use [Marmox Self Adhesive Waterproof Tape](#).



The underfloor heating system can then be simply rolled out and fixed according to the manufacturer's recommendations and is then ready for tiling.

Fixing with screws and washers

Alternatively Marmox Multiboards can be fixed to floors with screws and washers. Firstly make sure the floor is clean and dirt free. Use 12 screws / [Marmox washers](#) per 1.25m board (3 rows of 4). Secure the Marmox boards tightly to the floor, ideally in a brick like fashion.



Tape the joints with [Marmox Reinforcing Tape](#). For extra waterproofing you can use [Marmox Acrylic Sealant](#) over or between the joints and over screw holes. Or for really wet areas use [Marmox Self Adhesive Waterproof Tape](#). The underfloor heating system can then be simply rolled out and fixed according to the manufacturer's recommendations and is then ready for tiling.

Get underfloor heating insulation with Marmox Multiboards

At Marmox, we have over 40 years of experience in the design and manufacture of materials for the construction industry. Our products are made to the highest standards and we are constantly improving our underfloor heating insulation systems to ensure that they stay at the forefront of the industry.

All of our Marmox Boards underfloor heating insulation products are available through our network of stockists. We work hard to make sure that our customers are happy with our systems and we can provide underfloor heating insulation that meets a client's specific needs.

Marmox Boards underfloor heating insulation is recommended by the Energy Saving Trust and The Tile Association. It is also certified by the BBA (British Board of Agreement). If you have any questions about our product range, please don't hesitate to contact us. We'll be happy to answer any questions about how to use our products or their technical specifications.

Marmox board downloads can be found on this page





Marmox - Wetroom



WETROOMS & BATHROOMS



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Wet room waterproofing insulation

For anyone looking to install a wet room in their home, wet room waterproofing insulation is a vital part of the project.

Wet rooms have become a popular choice for bathrooms - they are a striking and spacious option for any size room and the sense of openness that they provide ensures that occupants feel pampered and comfortable. Plus, wet rooms are easy to clean, making them an even more attractive option to homeowners.

At Marmox, we offer a selection of wet room waterproofing insulation systems, designed for simple installation and excellent waterproofing performance.

The benefits of wet room waterproofing insulation

Wet room waterproof insulation offers an easy and reliable way of creating a gorgeous and luxurious bathroom in your home.

Systems are used to line wet room floors, walls and ceilings, providing a surface for affixing tiles, vinyl or other finishes, depending on the decor of the room.

Wet room waterproofing insulation also ensures that moisture and damp does not leak into other areas of the house, therefore protecting the building structure.



Which wet room waterproofing insulation to get?

Marmox offers a variety of wet room waterproofing insulation systems suitable for use in private homes, hotels and other locations. Some of our products are also suitable for use as loft insulation and with [underfloor heating](#).

Marmox Multiboard is a wet room waterproofing insulation board that can be fixed to walls, floors and ceilings. It can simply be glued in place with a solvent-free adhesive or it can be fixed with our range of specialised [washers](#) and [dowels](#). Flexible, [curved boards](#) are also available, as well as [pipe boxing](#).

[Showerlay](#) is a shower and wet room waterproofing insulation base that is installed at floor level, making it perfect for use by less-able people, as they won't have to step up to use the shower. [Showerlay](#) wet room waterproofing insulation is both low-cost and easy to install; it is pre-formed with a slope for easy draining and it can be used with a variety of finishing materials, including mosaic tiles as small as 50mm.

Another wet room waterproofing insulation system is the [Showerstone](#) base. Manufactured from acrylic and modified concrete, it is easily installed onto floor joists and is suitable for use with finishes including vinyl and mosaic tiles. Additionally, if the size needs to be increased, separate extension pieces can be provided.

Get wet room waterproofing insulation from Marmox

If you're in need of wet room waterproofing insulation, look no further than Marmox. We have over 40 years of experience in the design and manufacture of building materials for the construction industry and our high-quality products have been used for both new and refurbishment projects across the UK.

At Marmox, we work hard to keep our products at the head of the industry. With continual innovation and market research, we make sure that our products provide just what our customers need. Our Marmox Multiboard wet room waterproofing insulation is available through a network of expert stockists.

Our wet room waterproofing insulation systems are recommended by the Energy Saving Trust and The Tile Association. They are also certified by the BBA (British Board of Agreement).

We also take pride in our excellent customer support, so if you have any questions about our wet room waterproofing insulation - from technical specifications to installation requirements - please don't hesitate to contact us. Our friendly and knowledgeable team will be happy to assist you.



Marmox Multiboard downloads can be found on this page





Marmox - Dry-lining



WETROOMS & BATHROOMS



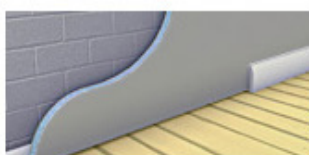
UNDERFLOOR HEATING



DRY LINING

Did you know... 1 in 4 homes in the UK has solid walls?

More than a third of all the heat loss in an un-insulated home is lost through the walls. Modern houses are usually built with cavity walls which can be insulated but most pre-war homes were built with solid walls which let the heat flood out. Solid walls lose twice as much heat as cavity walls, even cavity walls without insulation!



Why insulate your solid walls?

Insulating your solid walls with Marmox board is an effective way to stop wasting energy and money at home. In winter, a well insulated house keeps warmth exactly where you need it – indoors. So, insulating your walls will help keep your home warm and use less energy thereby reducing your carbon footprint. It will help you to stop wasting money on your energy bills too.

What could you save?

The Energy Saving Trust is a non-departmental public body monitoring and advising the UK government on energy use, conservation and climate change. Marmox Board is an ENERGY SAVING TRUST RECOMMENDED PRODUCT and the E.S.T has estimated that insulating all the external solid walls of a house would save approximately 1.8 tonnes of CO₂ per year. This equates to approximately a **£365** reduction in heating bills (*estimated figures based on insulating a gas-heated, semi-detached home with three bedrooms*).

Why use Marmox Multiboard dry-lining insulation?

Marmox Multiboard dry-lining insulation is made from polystyrene foam with a coating of glass fibre mesh embedded in a polymer-cement mortar. It is completely free of CFCs, HCFs and asbestos, making it safe for use in nearly any environment.

As well as its waterproofing and thermal insulating properties, Marmox Multiboard dry-lining insulation also provides strong load-bearing capabilities, up to 30 tonnes per metre squared, and it is completely unaffected by freezing and thaw cycles.

Our Marmox Multiboard dry-lining installation systems are both effective and allow for quick installation times. They can be simply attached to walls and other surfaces with a solvent-free adhesive or fixed in place with our special washers or dowels.



Choosing the right Marmox Board dry-lining insulation

At Marmox, our collection of dry-lining insulation boards includes solid Marmox Multiboard panels, which can be easily installed on flat floors, walls and ceilings.

There's also a [curved dry-lining](#) insulation board that is extremely flexible and ideal for use in bathroom constructions. It's also perfect for covering architectural features, such as columns and arches. Additionally, the curved dry-lining insulation board can speed up installation, saving both valuable time and money.

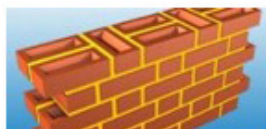
The range of Marmox Multiboard dry-lining insulation systems also includes [angled boards and pipe boxes](#), which simplify the boxing-in of exposed pipe work in areas such as bathrooms, kitchens and lofts.

At Marmox, we can provide a variety of accessories that help to ensure an effective and reliable dry-lining insulation installation. Options include [Marmox Self-Adhesive Waterproof Tape](#) for ensuring good seals, [washers](#) with appropriate screws for holding the boards in place, and [60mm and 80mm dowels](#) that make installation fast and simple.

How to identify whether I have solid walls?

If your home has solid walls, then it should be suitable for internal insulation. Solid walls are mainly made of brick or stone and are found in most houses built before 1930. The easiest way to tell is from the pattern of the bricks on the outside of your house.

If your home has solid walls, the bricks will tend to be placed head-on and lengthways in an alternating pattern like this.



If your home has cavity walls, the bricks will tend to have a regular pattern like this.



However, an installer will be able to tell you whether you have solid walls or not.

Solid wall insulation can also work for properties with cavity walls that are not suitable for cavity wall insulation and other non-traditional housing types.

How to Install Marmox Dry lining

The great advantage of Marmox Multiboard is their weight. A 10mm board weighs just over 2.5kg and a 20mm board just 3kg so they can be transported and fitted by just one person.

The thicker the board, the better the thermal insulation will be however in most situations our 60mm thick board would be impractical because that would take up too much space and block your windows! The most popular thicknesses are 20mm and 30mm and because it's relatively thin, 10mm on reveals.

Plasterboard adhesive is NOT suitable – tile adhesive should be used.

METHOD 1 - CONTINUOUS BED

If fitting to a flat and exposed brick, block, concrete or plastered wall, any size board can be fixed using a continuous bed of tile adhesive. Not having any air gap between the board and the wall is marginally preferable since it eliminates the slight risk of interstitial condensation.

METHOD 2 - DOT AND DAB

If a wall is uneven, has a crumbly surface or is of a material that is not suitable for to bond with tile adhesive, Marmox Multiboards are fixed using either Marmox dowel fixings / screws and Marmox washers supported with dabs of tile adhesive. Board thickness should be at least 12.5mm if using this method.

It is recommended that for dotting and dabbing, at least 15 fixing points per long board and 9 fixing points per short board should be used. All the edges must be secure and exhibit no movement.

METHOD 3 - STUD WALL

Boards can be fitted directly to timber or metal studwork in accordance with the main fitting instructions which state that screws and washers need to be used every 30cm along each member. If using 20mm or thicker the centres can be at 600mm whereas if 12.5mm is being used centres should be at 450mm.

In methods 2 and 3, consideration should be given to whether there is any dampness in the solid wall. If there is, leaving a gap is not recommended as it could accentuate the condensation problem already existing. When the wall is not absolutely dry, the board should be fitted using the continuous bed of adhesive method. Obviously if dampness is a significant, this must be addressed before masking the problem because Marmox is not a cure for a damp wall.

A Useful tip: if a thin coating of finishing plaster only is to be applied, it should be appreciated that the thickness of the plastic and metal washers is 1mm whereas the fixing dowels are 4mm so more plaster would be required if using dowels.

Other Benefits of Marmox Dry Lining

The waterproof core of the Marmox Multiboard has a thermal conductivity of between 0.028 to 0.034 W/mK. The material is fire resistant extruded polystyrene which is the most effective thermal insulation material possible to be made into thin, rigid insulation boards.

Marmox dry lining reduces the temperature gradient between the outside of the wall to the inside and will therefore reduce condensation. Although insulation is important, it should never be assumed that condensation and mould growth can be controlled by insulation alone, ventilation must always be considered. Whether there is any damp inherent in the wall must also be determined before carrying out any dry-lining. If there is a problem with water ingress, this must be stopped before fitting the Marmox as 'interstitial' condensation may occur if not attended to. Alternatively, for damp areas such as basements, specialist polyethylene cavity drain membranes can be used. Professional advice must be sought in these circumstances.

Marmox: supplying dry-lining insulation

As specialists in the design and manufacture of construction products, Marmox has over 40 years of experience in the industry. Our dry-lining insulation products are made to be of the highest quality and with our dedication to innovation, we are constantly looking for ways to improve our products in order stay at the head of market trends.

All of our dry-lining insulation products are available through our stockists and we're able to provide systems that meet specific customer requirements. They are recommended by the Energy Saving Trust and The Tile Association, and are certified by the BBA (British Board of Agreement).

Of course, if you have any questions about our dry-lining insulation systems, please don't hesitate to get in touch. We work hard to provide the best possible customer service and we'll be happy to discuss everything from installation instructions, to technical specifications.

For Further Advice

Consult the Energy Saving Trust (www.energysavingtrust.org.uk) for the latest advice on insulation and saving energy. Another useful source of information available through the Energy Saving Trust is the EST Best Practice Document CE17: 'Internal wall insulation in existing housing - a guide for specifiers and contractors.' For best practice enquiries, refer to the link www.est.org.uk/housing/publications. Then click on "search our whole publication database" in the middle, and then type "CE17" into the search box.

With regard to compliance with the Housing Health and Safety Regulations (HHSRS). The BBA accredited product can help compliance with these regulations inasmuch that it is a product that a Local Authority would accept or would not class as a 'category A' hazard.

Marmox Multiboard downloads can be found on this page

