Ref: HY-MW/30R
V1 01/04/2026

Bitumen Waterproofing
Liquid Waterproofing
Single Ply Waterproofing

Product Data Sheet

HYTHERM MW RECOVERY BOARD

Insulation

Hytherm MW Recovery Board is a non-combustible, stone wool insulation board faced with a mineral-coated white fleece, for use in Axter warm roof systems including either torch-applied bitumen membranes, thermally-activated adhesive or self-adhesive bitumen and single ply membranes or cold-applied liquids, particularly where there are further considerations for fire performance.

Developed mainly for use in refurbishment projects, Hytherm MW Recovery Board can be installed directly over the in-situ waterproofing layer and offers a solution where there is a requirement to provide a fresh surface to install a new waterproofing system. Hytherm MW is made from naturally materials which can be recycled and reprocessed reducing landfill costs. It does not contain gases that have ozone depleting potential (ODP) or global potential (GWP).

Key benefits

- Non-combustible, achieves a Euroclass reaction to fire classification of A2-s1,d0.
- Can accommodate minor imperfections on the existing external finish.
- Aids in reducing external noise ingress.
- Can be recycled and reprocessed helping to reduce construction waste going to landfill.

Technical information

Properties	Unit of measure	Value	Standard
Dimensions			
Length	mm	1200	BS EN 1604
Width	mm	1000	BS EN 1604
Thickness	mm	30	BS EN 1604
Facing type, side 1	-	Mineral fleece	-
Long term water absorption	kg/m²	NPD	BS EN 120871
Short term water absorption	kg/m²	WS	BS EN 1609
Reaction to fire	Euroclass	A2-s1,d0	BS EN 13501-1

NPD=No performance determined

Acoustic performance

Hytherm MW Recovery Board supports the current acoustic refurbishment standards as listed in Table 1 of the Building Bulletin 93 document, “Acoustic Design of Schools: Performance Standards” making it suitable for use in school refurbishment projects.

When tested in accordance with BS EN ISO 10140-2:2010, as an individual layer within a single ply flat roof system, onto 0.7mm profiled steel deck, Hytherm MW Recovery Board achieved a system performance of Rw 33 dB.

Installation

Care should always be taken to clean off all surfaces prior to the laying of the boards and membrane. Ensure the existing structural deck is in suitable condition. The Hytherm MW Recovery Boards are to be laid with mineral fleece facing upwards, staggered and tightly butt jointed. Secure the Hytherm MW Recovery Boards by either fully bonding with an approved adhesive or mechanically fastening through / to the existing roofing membrane and / or insulation, into the structural deck.

The boards can be cut to size using a fine-toothed saw or panel saw. Appropriate stop battens should be installed to protect the boards open edges during installation. Day joints must be formed at the conclusion of each section of work to seal exposed edges and prevent damage.

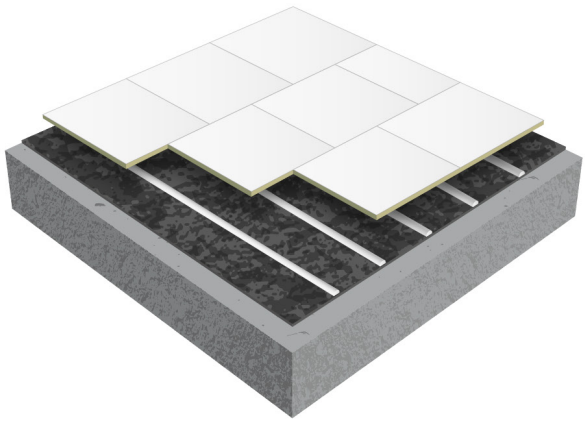
For mechanically fixed systems, 4no fixings per m² are required (5no per board) for all bonded and torch-applied membranes (see recommended installation section containing fixing pattern, below). Axter offers a range of mechanical fixings and recommends the use of plastic tube washers or stress plates when mechanically fixing roofing boards to the structure.

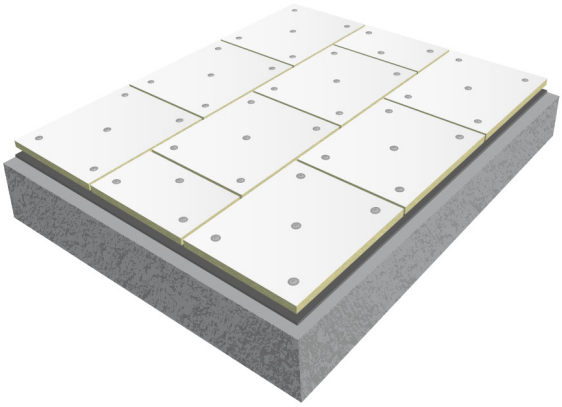
For fully or partially adhered systems using an adhered PVC membrane or self-adhesive bituminous membrane, the fleece facing of the board encourages a strong bond between membrane and insulation.

For torch-applied bituminous membranes, when applying the bituminous membrane always torch with minimum heat at all times. Torch the roll of waterproofing membrane using appropriate flame/edge guards at all times.

For specific advice on various waterproofing systems, please contact Axter Ltd.

Recommended installation





Water resistance and moisture

Whilst Hytherm MW insulation board is not waterproof, it is non-hygroscopic, meaning it will not absorb water from the surrounding air and it can repel limited amounts of moisture.

Handling, cutting and storage

Hytherm MW Recovery Boards must be protected from prolonged exposure to sunlight and should be stored either

under cover or protected with opaque polythene sheeting. Where possible, packs should be stored inside. If outside, packs should be raised off the ground, not in contact with ground moisture.

The polythene wrapping is not considered adequate protection for outside exposure.

In designated walkways or in areas of high foot traffic, a supporting layer should be placed on the roof both during installation and upon completion.

Insulation boards can be readily cut using a fine-toothed saw or panel saw. Ensure that insulation boards are cut square to achieve continuity of insulation without cold gaps between edges.

Appropriate PPE should be worn when handling insulation. Please refer to corresponding Safety Data Sheet on the Axter website.

Durability

Hytherm MW Recovery Boards, when used as prescribed, do not require any regular maintenance and will remain effective for a life at least as long as that of the roof waterproof covering.

Hytherm MW Recovery Board is vapour permeable, reducing the risk of condensation, which can lead to rot, mould, and humidity damage.

Environmental

Made from natural materials, Hytherm MW can be recycled and reprocessed reducing landfill costs. It does not contain gases that have ozone depletion potential (ODP) or global warming potential (GWP). It is approximately 97% recyclable. Refer to the Safety Data Sheet for more details.

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