
Courtesy: S.Frost

Tŷ-Mawr's LABC Registered

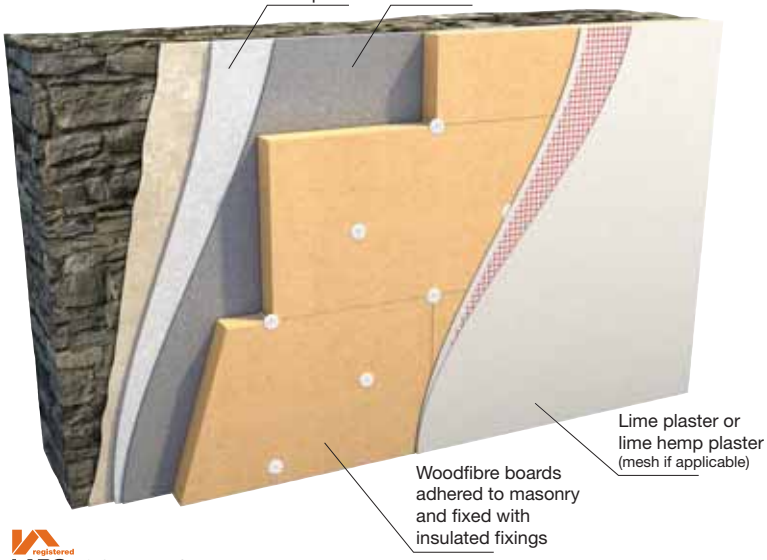
internal wall insulation system

Tŷ-Mawr's internal wall insulation systems are part of our innovative new range of LABC registered sustainable building solutions. In addition to their thermal and acoustic performance, their vapour permeability properties helps them to regulate humidity within the building contributing to a more comfortable and healthy living environment.

These systems are ideal for the refurbishment of existing solid walls as well as cavity walls. Where internal space is limited or it is not possible to meet building regulations, lime hemp plaster can be applied directly to the walls to add some thermal insulation and assist with air tightness, please contact us for an information sheet.

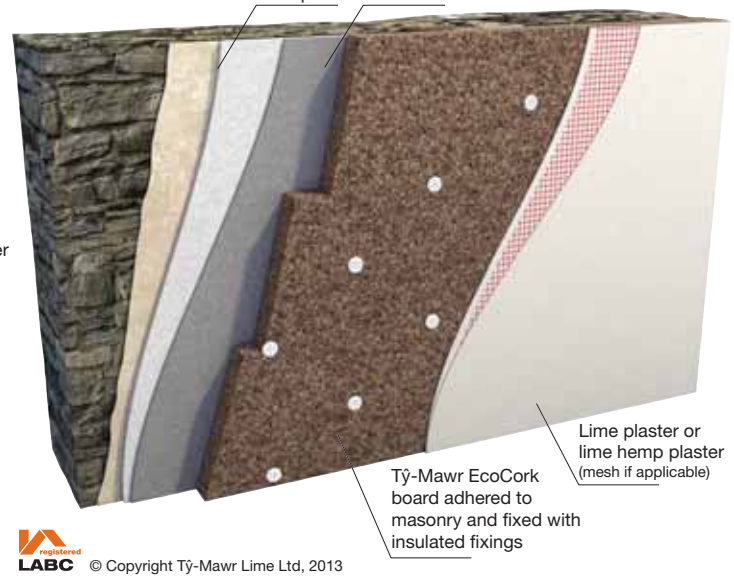
The Tŷ-Mawr registered systems offer a choice of high quality, ecological and sustainable insulation materials, see 4 different options in table below.

OPTION 1



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OPTION 2



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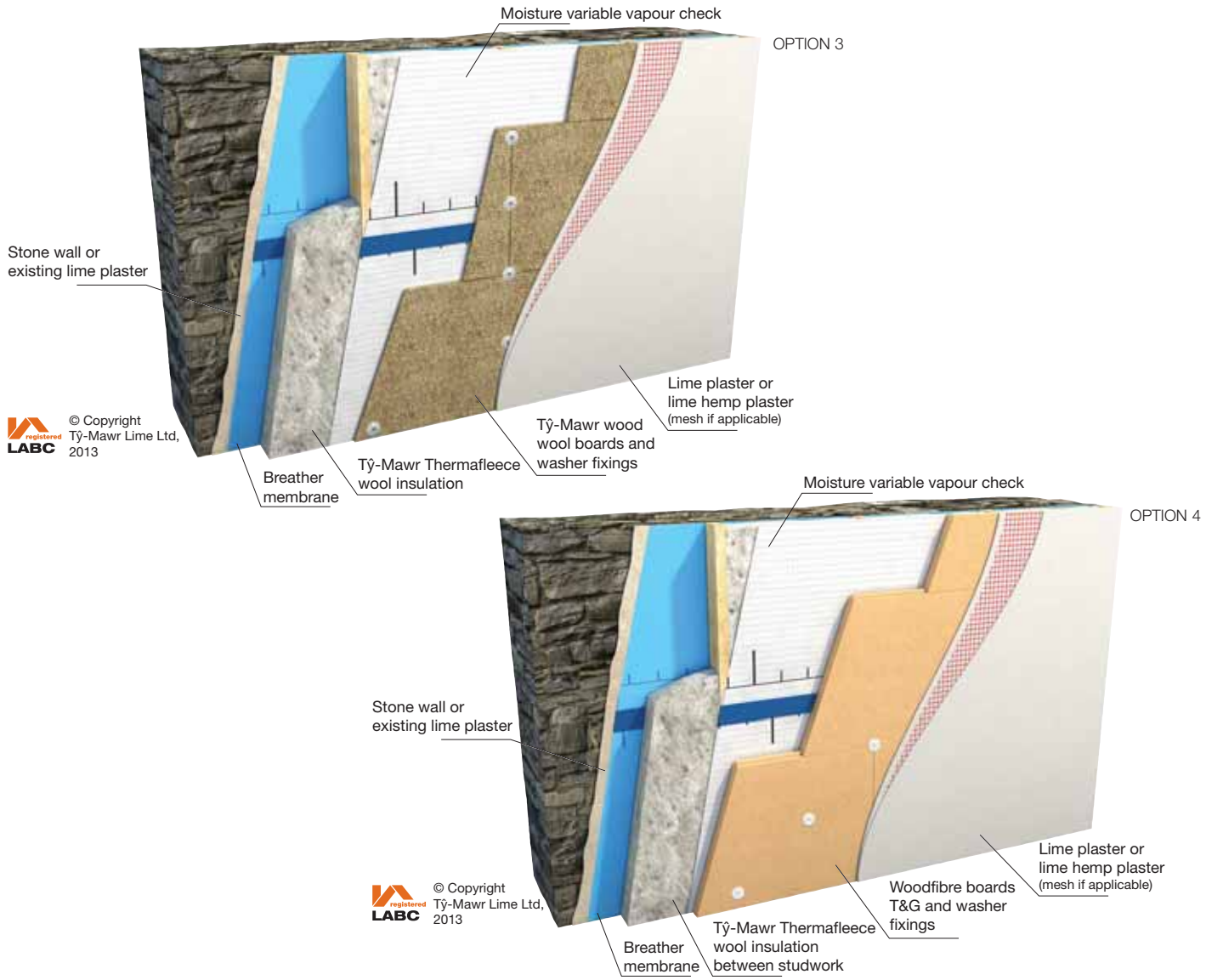
<table>
<tr><td colspan="4">500mm Solid Wall (appropriate external protection from driving rain is essential when undertaking internal wall insulation – please contact us for advice)</td></tr>
<tr><td colspan="2">Minimum 20mm hydraulic lime plaster</td><td colspan="2">Breather Membrane</td></tr>
<tr><td>Option 1</td><td>Option 2</td><td>Option 3</td><td>Option 4</td></tr>
<tr><td>Adhesive 10mm combed coat</td><td>Adhesive 10mm combed coat</td><td>125mm of insulation chosen from below</td><td>100mm of insulation chosen from below</td></tr>
<tr><td rowspan="3">100mm Woodfibre board</td><td rowspan="3">100mm Eco-Cork board</td><td colspan="2">Tŷ-Mawr Thermafleece Original/Ecoroll/TF35/Hemp, Holzflex mais, Flex CL Recycled paper</td></tr>
<tr><td colspan="2">Moisture variable vapour check if required</td></tr>
<tr><td>Tŷ-Mawr 15mm Wood Wool board fixed with plastic washers and screws at 8 per m2</td><td>Woodfibre board T&G 40mm fixed with plastic washers and screws at 8 per m2</td></tr>
<tr><td colspan="4">Tŷ-Mawr Basecoat for Boards 1 x 6mm meshed basecoat (or lime hemp) and 1 x 3mm Premixed Topcoat plaster</td></tr>
<tr><td colspan="4">Vapour permeable Paint Finish - Internal Silicate Paint, Plant-based Emulsion, Tŷ-Mawr Limewash, Clay Paint</td></tr>
</table>

Contact us for u-value calculations, condensation risk analysis and quotations. Please note that LABC registered detail only applies where Tŷ-Mawr has designed the build-up (free of charge) and supplied the materials.


Roch Castle Courtesy: Keith Griffiths Architects

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internal wall insulation system



500mm Solid Wall (appropriate external protection from driving rain is essential when undertaking internal wall insulation – please contact us for advice)			
Minimum 20mm hydraulic lime plaster		Breather Membrane	
Option 1	**Option 2**	**Option 3**	**Option 4**
Adhesive 10mm combed coat	Adhesive 10mm combed coat	125mm of insulation chosen from below	100mm of insulation chosen from below
100mm Woodfibre board	100mm Eco-Cork board	Tŷ-Mawr Thermafleece Original/Ecoroll/TF35/Hemp, Holzflex mais, Flex CL Recycled paper	
		Moisture variable vapour check if required	
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