

Black Mountain Natural Wool insulation Technical data sheet



■ Product Description

Black Mountain insulation is a general purpose natural wool fibre product designed for use in loft, rafter, internal wall and inter-floor applications. Specified to match and surpass the Part L Building Standards with reference to Thermal, Fire, Mould Resistance and Structural performance.

Black Mountain Insulation is well suited to brick, timber and steel form construction applications, and offers improved thermal and acoustic ratings over many man made materials. Wool insulation is not only breathable but also able to absorb, retain and release moisture without affecting its thermal properties or performance, Black Mountain insulation is ideal for breathable wall construction.

■ Environmental Information

The manufacture of Black Mountain insulation requires only 15% of the energy required to manufacture mineral wool insulation. In use, the durability and moisture control properties of wool allow for a higher level of performance and longevity – retaining its insulating properties for the life of the building. Wool is naturally fire retardant and is treated with boron salts so as to heighten its vermin resistance.

■ Applications

Black Mountain insulation is designed for use in new and existing buildings within the loft, rafter, internal wall and inter-floor use. Wool insulation is ideal for dry lining on external walls and throughout all parts of timber frame buildings.

■ Fire Standards

Wool is naturally fire retardant; the material only chars since there is insufficient oxygen in the atmosphere to support combustion of wool. In the event of a fire, wool will not add to the fire risk and produces no toxic gases. All of our products are tested to:

*Euro Class C
Building Regulations Part L BS:5803-4*

■ Thermal Performance

Wool insulation matches the following standards for loft, rafter and internal wall thermal requirements as follows:

<i>England / Wales</i>	<i>Approved Document L1, L2 - Table 1</i>
<i>Scotland</i>	<i>Technical Standard Table J23</i>
<i>N. Ireland</i>	<i>Technical Booklet F - Table 1.2 / 1.4</i>

■ Performance and Technical Standards

<i>Fire</i>	<i>Euro Class C /BS 5803-4:1985</i>
<i>Condensation</i>	<i>BS 5250: 1989</i>
<i>Thermal Conductivity</i>	<i>0.04 W/mK</i>
<i>U Value (100mm)</i>	<i>0.4</i>

■ Sizes Available

<i>Widths</i>	<i>400mm or 600mm</i>
<i>Thicknesses</i>	<i>50mm, 75mm, 100mm</i>
<i>Rolls</i>	<i>5m length</i>
<i>Batts</i>	<i>1.2m length, 10 pieces per pack</i>

