

Black Mountain Natural Wool insulation Your safeguard against condensation



■ **Condensation - one of the Building Industry's biggest challenges.**

But increasing the level of man made insulation won't necessarily solve it - and might actually make it worse. One new construction method being adopted is for a 'breathable wall' system, where excess moisture can be drawn out of the building without losing heat.

■ **Dampness rots building structures - irrespective of construction material.**

Excess moisture will eventually work its way into the structural elements and begin to damage them, whether those elements are timber, brick or concrete. From dry rot of timber to mould growth on joists and beams in roofs, unchecked dampness will cause long-term damage to the structure.

■ **Condensation is the main contributor to Toxic Mould Syndrome.**

Toxic Mould Syndrome has become a major concern in Europe and the USA where class action legal suits have made it the "new asbestos" issue. It occurs where mould growth is propagated by moisture which has been allowed to condense within the fabric of the building, particularly on cellulose based products.

■ **Condensation creates mould. Some allergenic - and some highly toxic.**

Mould can have serious effects on people that

are hyper-allergenic. But they're not the only ones to suffer. Mould can also seriously affect the old, children and those with low immune systems. Aspergillus, Stachybotrys, Trichoderma moulds deliver extreme mycotoxins with potentially devastating effects. So devastating in fact that many British insurance companies now refuse to cover construction companies for this issue.

■ **Fortunately, wool naturally fights condensation.** Unlike man-made materials, when wool absorbs moisture it actually emits energy which warms the wool and prevents condensation.

■ **It also draws harmful moisture out of the fabric of a building.**

Wool insulation - being active in its ability to move moisture - can actually draw moisture out from timber and other building materials. And as wool heats and evaporates the water it has absorbed, so it continues to condition and draw moisture from areas where condensation might otherwise become a growing problem.

■ **The result? Healthier buildings with happier residents.**

As professionals design and construct buildings that better address condensation problems, finding the most effective insulating materials becomes more critical than it did in the past. Specifically for buildings designed to house young children, the old or people who are on long term prescription drugs. The use of Black Mountain Wool insulation is a major step in fighting condensation-related illness.

