

THIN INTERNAL WALL INSULATION AND DAMP CONTROL (TIWI)
ISO-THERM CASE STUDIES



THERMAL INTERNAL WALL ECO-SYSTEM



WYKAMOL - TRITON

MARKET LEADER IN PROPERTY RENOVATION AND REPAIR

A new and innovative patented textile based thermal system for wall insulation & damp control, for dry and warm walls.



DESIGNED TO SAVE ENERGY AND KEEP WALLS DRY

ISO-THERM is an ultra thin (+/-4mm) specially woven polyester based material, which is both unique and patented. Available in rolls of 1 metre wide, it is flexible and lightweight and will accommodate a multitude of wall finishes.

Due to its ease of use and flexibility it can be cut around light switches/sockets/radiator brackets and the like, and is minimally invasive in its installation. Very often, door architraves and skirtings can remain in place, and because of its malleability it fits around and into window reveals with ease.

It is fixed in place with our unique **ISO-THERM** adhesive, normally trowelled onto the wall to a thickness of circa 5mm, and with the **ISO-THERM** affixed and rolled into the adhesive, the overall finished depth after a direct plaster skim coat is approximately 10mm.

ISO-THERM is vapour permeable, but waterproof, thereby resisting any lateral damp transference, and stopping the subsequent natural surface nitrates and chlorides forming as an efflorescent salt.

Because of its high thermal benefit, and the withholding of any natural damp transference it is highly resistant to any formation of surface mould.

The sheer speed of application, and the ability to apply direct to sound plastered walls, means that large areas can be applied in a very short space of time, and save for the plaster skim coat and painting, both residential and commercial properties suffering from cold and damp/mouldy walls can be improved substantially with the minimum of disruption.

We believe this to be the most exciting and innovative product for improving internal cold and damp walls in a generation.

THERMAL

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SHIPS AHOY - LIGHTHOUSE RESTORATION

After purchasing a Lighthouse on the south coast, complete with all of its support buildings, the customer started to look at ways of making the structure warm and dry, without detracting from the very unique nature of the Lighthouse itself.

After much research he came across our ISO-THERM product, and after trials/discussions he was convinced that the application of ISO-THERM to all of the internal wall surfaces would indeed give him the warmth and dryness necessary to make the building habitable.

The very flexible nature of the 4mm ISO-THERM is perfect for the contoured and tapering walls, as well as the other solid walled support buildings.



A MORE SOCIABLE SOCIAL CLUB

Here we have an example of a social club, where the main meeting/social area, shares a split level party wall with a very cold freezer storage room.

A fast and clean solution was required that did not entail the removal of plaster, or other significant fixtures and fittings, and the solution was found with the application of ISO-THERM.

The entire job was completed in two days, with the minimum of fuss and disruption, and loss of bar revenue.





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A COZY, WARM & DRY STONE COTTAGE IN LANCASHIRE



No more damp & cold mornings, and now the occupants enjoy a warm/dry and cozy environment thanks to the fast and clean application of ISO-THERM.

A small but cold and damp solid wall construction stone cottage required a quick and effective solution to make the building warmer and dry, but without the necessity to decant the occupants.

Without the need to remove the plaster and including the cold/damp end gable wall, ISO-THERM was applied quickly and effectively to significantly change the lives of the occupants.



FOR MORE INFORMATION VISIT www.wykamol.com

WINDOWS & DOORS - HOW REVEALING

Very often the most difficult areas of any property to internally install retro insulation are window and door reveals.

Being so thin (8mm overall including a 3mm skim coat), but ultra effective in dealing with cold and damp, **ISO-THERM** is the perfect solution.

It can be neatly cut and trimmed for 90 degree corners, and with the minimum of impact and disruption. Previously cold, wet and often mouldy areas can be transformed with **ISO-THERM**.



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ISO-THERM

WORDS FROM A REGULAR ISO-THERM INSTALLER

Social Housing are now solving condensation and damp problems using an innovative waterproof thin internal wall insulation.

The social housing property in the pictures was causing headaches for the landlord as her long term tenants were complaining about cold and mould. A solution with minimal fuss and mess was therefore needed.

On the survey it was found that some penetrating damp had also occurred due to poor guttering, that has now been fixed. To further complicate matters the tenants had young children and nowhere else to stay during any works.

In comes the thin internal wall insulation which could be installed with no hack off of existing plaster and no drilling so minimal mess. We were even able to leave most of the sockets and switches in place so removed the need for an electrician. The result is that the house now has warmer walls, the tenants are happy with the freshly plaster skimmed walls looking brand new.



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