

BACKGROUND

Energy efficiency in domestic homes has been identified as one of the key means of heat conservation, fuel cost reduction and protection of the environment since the 1970's. By installing loft insulation upto a recommended depth of 270mm (10") the heat lost from the home can be reduced by upto 25% and can result in fuel savings of upto £150 per year. This has proven to be one of the most cost effective and simplest ways to conserve heat loss in over 1 million homes in the last 5 years alone.

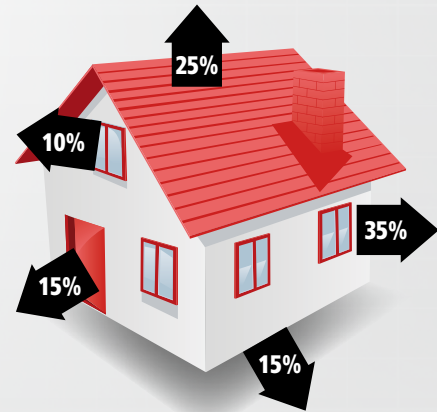
As a consequence, recommended levels of insulation have increased ten fold over the period, from a nominal 25mm (1") to present day regulation of 250mm (10").

However, with better insulation, the loft will become colder and therefore more prone to condensation problems if not adequately ventilated to remove moist air.

According to the DETR English House Condition Survey 1996, "Surface condensation, leading to mould growth, is one of the most widespread problems in UK housing, affecting some 15% of households".

There has been a significant increase in problems relating to condensation in roof spaces, especially where an upgrade to 250mm thickness has taken place. In recognition of this, the Insulation Industry must consider increasing ventilation in all cases.

HEAT LOSS FROM THE HOME



MOISTURE PROBLEMS DUE TO CONDENSATION CAN LEAD TO:

- Rotting timbers (potentially leading to structural failure)
- Wetting of insulation, thus reducing the energy efficiency of the building element, leading to increased energy usage and therefore an increase in CO2 production from the building
- Growth of potential pathogenic fungi within roof cavities



Ventilation is normally via the eaves, however, the new thicker levels of insulation make it very difficult to maintain ventilation and additional ventilation may be required in the form of soffit ventilators, gable vents, tile/ridge ventilators or underfelt ventilators (vent wedges).

One vent wedge fitted centrally between each joint, separating the felt by 20mm calculates to the equivalent of a constant 10mm ventilation.

Upon completion a certificate of increased roof ventilation is fitted to ensure non-removal by current/future homeowners or tenants.

Modern day lifestyles using central heating, showers, tumble dryers and washing machines have significantly increased humidity levels in homes and if atmospheric humidity in the UK CIP climate change scenarios come about levels will rise even further.

Vent wedges are already being specified by some Local and Unitary Authorities and are being offered to all registered social landlords for inclusion on roof insulation upgrade programmes, (fitted in conjunction with the insulation by the appointed contractors), as well as stand alone installation projects and one-off private dwellings where condensation is of concern.

INSTALLATION

Installing recommended levels 250mm (10") of roof insulation in existing homes dramatically increases the risk of roof condensation. Combat the risks by fitting vent wedges in all roofs.

- Inexpensive solution to avoiding roof condensation
- Increases natural ventilation properties of roof
- Utilises temperature differentials not wind speed
- Allows the moist air to condensate on underside of tiles
- Significantly reduces humidity levels in roofs
- Quick and easy to install
- Installed from inside the roof space
- Stepped design to ensure stable installation



PREVENTION IS BETTER THAN CURE

- Manufacturers fitting instructions available via email
- Risk assessment available upon request
- Template loft certificate available upon request
- Patent applied for

PROJECTS

Domestic and General has carried out over 100,000 successful installations of its services within the last 3 years alone, and has been carrying out work for over 20 years.

Domestic and General Insulation Ltd works with over 100 local authorities and energy agencies on many bespoke projects aimed at insulating homes throughout England and Wales, with huge success.

CUSTOMER CARE POLICY

This policy statement formally acknowledges that "the quality service provided" is of the highest priority to all Domestic and General staff.

All staff will provide a competent, courteous, helpful and friendly service to the highest professional standards. At all times staff will seek to demonstrate a flexible and responsive attitude to customers.

Through their continuous commitment to this objective we are confident we will always endeavour to deliver 100% customer service satisfaction.

This policy will apply to both internal and external customers.

Domestic and General has a dedicated department to deal with ongoing customer care issues. This also is to provide feedback to internal departments and deal with any client concerns post installation should any issues arise.

Other services available from Domestic and General Insulation Ltd

Painting and Decorating, Gardens and Fencing, Ground Works and Driveways, Extensions and Building Works, Dry Lining / Internal Insulation, Plastering, Draught Proofing, Cavity Clearances, Fire Barriers, UPVC (windows, doors, fascias, soffits, guttering, cladding), Heating & Renewable technologies, Cavity Wall Insulation, External Wall Insulation and much more.



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