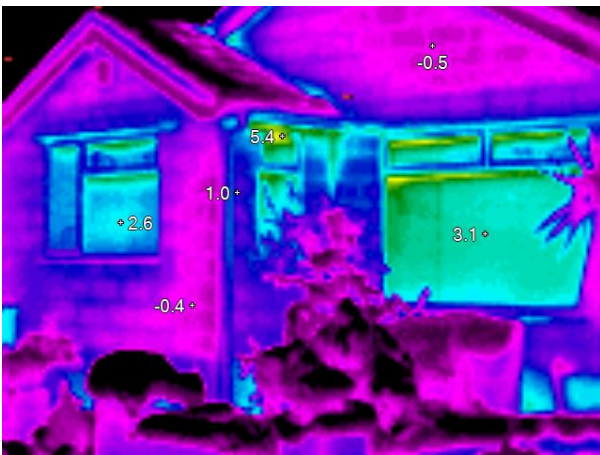


Thermal Images of Cuddington Houses

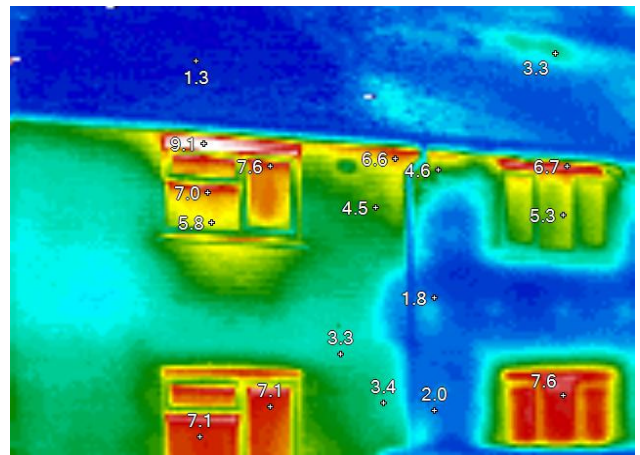
Pictures of Cuddington houses were taken with a thermal imaging camera in January 2010 (in the snow). The camera is only sensitive to heat, not light, so these images show where heat is escaping from the house, which was very useful for the householders as they now know where to invest in insulation.

BLACK = less than -2C ; the colours then graduate through Violet, Blue, Green, Orange, Yellow, Red, Pink, a and WHITE = above 9C.

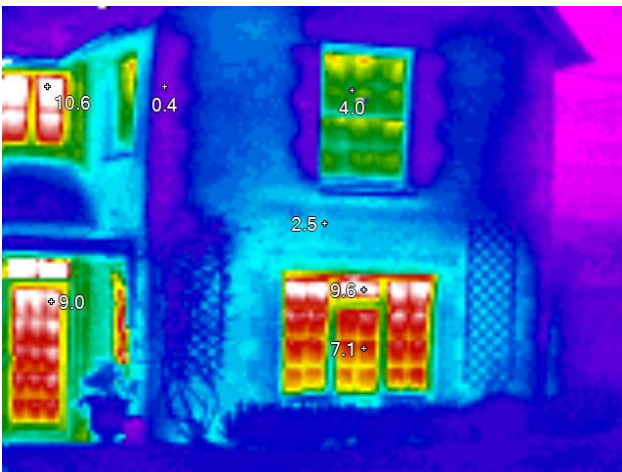
A well insulated house should show nothing above 4 degrees C in these freezing conditions. Zero degrees would be ideal!



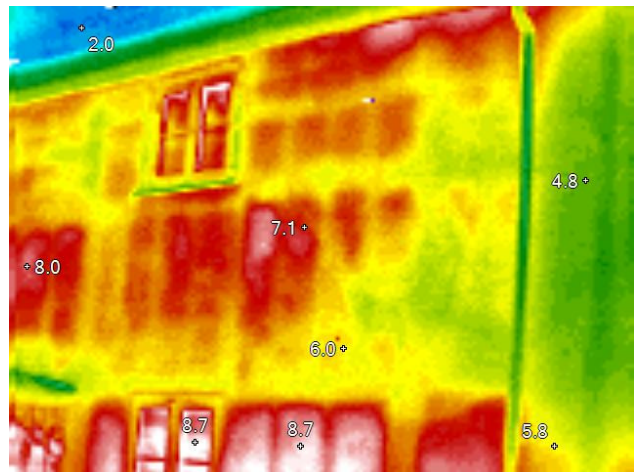
Modern house with cavity wall insulation and double glazing. The walls are below zero. Windows are at 3.5 degrees. Hottest spot 5.4 degrees



House junction showing the difference made by cavity wall insulation – the house on the right has walls at 2 degrees, whereas that on the left is 4 degrees. Both houses have leakage through the windows.



Old house with thick solid walls and single glazing. Lots of heat is being lost through the windows. Heat is stored in the walls, which are solid so can't take cavity insulation.



Old timber framed house with thin brick walls and single glazing. Heat loss throughout is severe. Internal wall insulation and secondary glazing would make an enormous difference.