

Retrofitting floor insulation

Design company name: DK Building
Build company name: DK Building
Project location: Cheshire

Project brief

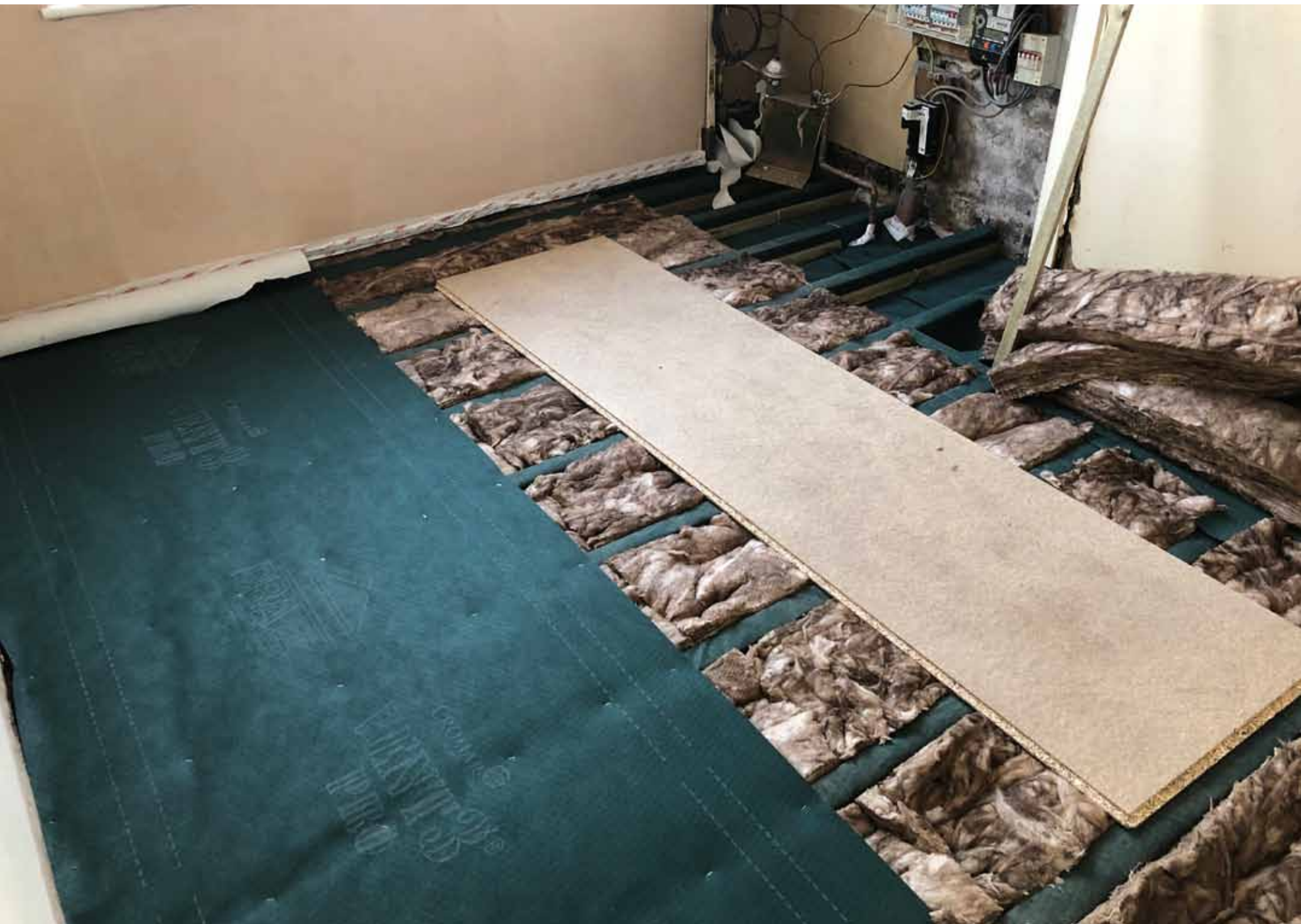
DK Building was established in 2005 and has built a reputation for professional, high quality building services throughout Liverpool, Warrington and Wirral areas. Great communication, openness and honesty are the core values leading to excellent customer satisfaction. These continue to be key factors in the Retrofitting work they now undertake. Increasingly, potential clients – and some architects – are asking for advice and information about ways of reducing energy expenses and we are expanding our knowledge and skills to meet this need.

A key example of this is floor insulation. Before starting to insulate, floors need to be exposed, floor joists repaired, and void space cleared. Details are important with retrofit work. A 1mm gap in insulation can decrease its performance 5 times in laboratory conditions! How many builders are aware of that?

In this example, there was rubble and soil touching the floor joists – not good from the damp prevention point of view. When the cleared floor is ready for insulation, a breathable membrane is used as a container for the floor insulation.

After insulating the floor between the joists another membrane is used to encapsulate the insulating material. This is taped to the wall to prevent drafts and then covered by the skirting board. Floorboards are placed on top. Any openings or pipes going through the floor are taped to prevent drafts.

The final effect is warm, quiet, structurally sound floor which is a joy to walk on!



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