



PRESS RELEASE

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Perimeter Plus – the new insulation system that is blowing all the others away

An innovative self-build project in Essex is making full use of the thermal, acoustic and installation benefits of Knauf Insulation's Perimeter Plus Blow-in-Blanket system.

The Laurels, a totally unique 200m² timber frame self build property in Felsted, Essex, incorporates a heat exchanger system for heating and ventilation and several kilometres of data cabling as well as a number of intricate sections and stud depths ranging from 100mm to 200mm thick. The advantage of Perimeter Plus was that its ability to compress around pipes, wiring and other services and fittings ensures a complete fill and thereby maximises thermal and acoustic performance.

Self builder and owner Stan Cassels realised that this new system was the only way to achieve the combination of sound insulation, thermal insulation and build quality that he required. In fact, he was so impressed with its sound insulation properties that he not only had it installed in the external walls and roof, he also specified it for all the internal walls and between floors.

Perimeter Plus is a patented specialist high performance loose glass mineral wool that is designed to be blown into timber frame walls from the inside of a house during construction. The product is blown in behind a translucent netting which gives a visual assurance of a quality installation in every area – as a comparison inaccurately cut rigid foam boards are susceptible to air gaps hidden by tape or partially filled with expanding foam. And, unlike blown cellulose systems Perimeter Plus does not require adhesives or moisture meaning that working even in a cluttered internal environment does not present a problem plus there is zero waste and no need to allow additional time for clean-up. As a further bonus, Perimeter Plus is inherently sustainable as it is made from a high content of recycled glass bottles.

As Stan Cassels explains, "One of the reasons I used Perimeter Plus is that I wanted to be able to see where the insulation was going and ensure that the cavity was properly filled. I looked at the other blown-in systems that were available and decided that I didn't want a system that required me to put the plasterboard on first and then blow the insulation in through a hole. Another important reason for using Perimeter Plus was that, with all the kilometres of data wiring and 100mm diameter air supply and extraction pipes, as well as all the normal plumbing and power services, using any other product it would have been very difficult to achieve a complete fill so as to optimise thermal and acoustic efficiency."

The results have certainly lived up to his expectations. "It is quite an amazing product, particularly for sound insulation, you can hear the difference as soon as you walk into the house," he added.

For more information on Knauf Insulation's range of products please visit www.knaufinsulation.co.uk <<http://www.knaufinsulation.co.uk>>

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Notes to editors:

Knauf Insulation is the UK's leading manufacturer of insulation products, and the only producer of four types of insulation: glass and rock mineral wool, extruded polystyrene (XPS) and extruded polyethylene (XPE) in the UK under the brand names; Crown®, Rocksilk® and Polyfoam®. In the UK, the company employs around 500 people at its four manufacturing plants at St Helens, Queensferry, Cwmbran and Hartlepool. Knauf Insulation is part of the Knauf Group – a global corporation delivering products and services including: building materials and systems based on gypsum and gypsum-related products, thermal insulation, sound insulation and fire protection materials, limestone and lime products, chalk and cement related products and plant engineering.

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