

# CASE STUDY

Victoria Crescent, Chester



## PRODUCTS USED

Room-in-Roof Roll

## PROJECT

Victoria Crescent, Chester

## DEVELOPER

Springfield Developments

## KNAUF INSULATION MANAGER

Kathryn O'Sullivan

"It was difficult in the past to get the perfect finish with rigid foam boards; generally two layers would be needed and as well as being time consuming to cut it's also very difficult not to leave air gaps between the rigid foam boards and the rafters. As Room-in-Roof Roll friction fits into place and only requires one layer, it was installed 4 times quicker than rigid foam boards and has provided a better solution for the homeowner. From now on Room-in-Roof Roll will always be our first choice."

**Sue Chacksfield and Stuart Brown,**  
Site Developers



## CHALLENGE

Insulating pitched roofs at rafter level has long been an intricate and complex job and the private developers on this project in Chester were looking for a solution which was not only cost-effective but more importantly easy and quick to install.

The installation procedure would be a difficult one due to the unusual nature of the roof. Access would be from scaffolding as the roof was located above an open plan galleried entrance hall.

As well as simplifying the installation, the insulation would need to provide reliable long term performance – this requirement being intensified by the exposure of the roof to the main living space.

## SOLUTION

Knauf Insulation proposed 200mm Room-in-Roof Roll 37 as a cost-effective and easily installed method of achieving the project requirements.

Room-in-Roof Roll is a brand new foil-faced glass mineral wool roll which is far more cost-effective than traditional rigid foam board solutions as well as being inherently sustainable as it is manufactured using a high content of recycled glass bottles.

The integrated foil facing acts as a built in vapour control layer and the overlapping facing is quickly stapled into place while friction fitting reduces the need for time consuming cutting and fitting commonly associated with the installation of rigid foam boards.

The developers commented that the product was actually 3-4 times quicker to install than rigid foam boards.

Friction fitting of the product allows the rafter space to be completely filled, eliminating heat loss via air gaps and thereby maximising the thermal and acoustic performance of the roof. As a comparison rigid foam boards are susceptible to air gaps which are often hidden by covering with foil tape or partially filling with expanding foam.

Thanks to its speed of installation, cost-effectiveness and thermal efficiency, Room-in-Roof Roll is set to become the ultimate solution for insulating pitched roofs at rafter level.

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