



Social Housing Refurbishment

Thermal and acoustic insulation for an award winning Staffordshire Housing Association Project



Isover glass mineral wool insulation played a key part in the award-winning 'Ecoterrace' project to refurbish Victorian terraced homes in Newcastle-under-Lyme.

Main Characteristics

- The project was commissioned by Staffordshire Housing Association in a move to prove that older homes can be renovated to meet Ecohomes excellent rating standard, with Axis Design Architects commissioned to handle the project.
- Isover's Acoustic Partition Roll (APR 1200) and Timber Frame Batt 35 were specified by Axis Design Architects for the partition walls, separating floors and living lofts in six of the pre-1919 terraced homes.
- Each home was stripped back to its bare 9" brickwork shell before the insulation was fitted. Insulation was enclosed in large glazed elements and finished with sustainable materials including timber cladding.
- The two and three bedroom homes ranged in size from 65m² to 100m². Two of the houses will be retained by Staffordshire Housing Association for rent with the remaining four sold for residential use.

Product Information

Product Name:	Acoustic Partition Roll (APR 1200) and Timber Frame Batt 35
Material:	Glass Mineral Wool
Insulated Building Parts:	Partition walls, separating floors and living loft
Requirements:	Acoustics and energy saving

"We had to ensure the homes were refurbished to a standard that would achieve the Ecohomes score of excellent while preserving the heritage of the Victorian terrace. Without the superior acoustic performance of the Isover insulation, the Ecohomes excellent rating would have been incredibly hard to achieve."

Rob Annable, Axis Design's Practice Director



Acoustic Partition Roll (APR 1200)

Frame Batt 35

ISOVER
SAINT-GOBAIN

Isover has developed its 3 Point Plan for environmental sustainability. This seeks to ensure that Isover and our products when in-situ use:

- ★ **Less Materials**
- ★ **Less Energy**
- ★ **Less Emissions**

BRE Green Guide

Product Rating

- Isover Acoustic Partition Roll corresponds to the BRE Global Green Guide online generic specification 'Glass wool insulation - density 24 kg/m³' ref 815320002 which achieves a summary rating of A+ within Domestic, Health, Industrial, Commercial, Retail, Education




Isover Frame Batt 35 'push-fits' between 600mm stud centres for ease of installation



Isover Acoustic Partition Roll (APR 1200)

A glass mineral wool roll providing high levels of acoustic insulation in partitions, walls and floors to meet acoustic requirements in domestic and non-residential applications.

- Excellent acoustic performance and Section 5 (Scotland)
- Excellent thermal performance
- 600mm width roll
- British Gypsum Specsure System Lifetime Warranty 
- Meets Part E Building Regulations (England & Wales)
- Helps to meet the requirements of Part L Thermal Building Regulations 2010 (England & Wales) and Section 6 (Scotland)
- Push-fits between 600mm stud centres
- Guaranteed lifetime performance

Isover Frame Batt 35

A glass mineral wool slab providing thermal and acoustic insulation for new-build Room-In-The-Roof or loft conversions. Push-fit between rafters at 600mm centres without the need for measuring or cutting.

- Excellent thermal performance with a thermal conductivity of 0.035 W/mK
- Excellent acoustic properties
- High quality glass mineral wool
- Helps to meet the requirements of Part L Thermal Building Regulations 2010 (England & Wales) and Section 6 (Scotland)
- Helps to meet the requirements of Part E Acoustic Building Regulations 2003 (England & Wales) and Section 5 (Scotland)
- Easy to handle, cut and install
- Minimal on-site waste



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