



**Specialists in Acoustic Flooring and House to Flat Conversions**

## Non-Itch Insulation Data Sheet

Manufactured from 85% recycled plastic bottles, the other 15% being polyester to bind the insulation together.

Non –Itch has the same thermal efficiency as glass fibre but without the free floating fibres. Suitable for lofts, timber frame walls and roofs. This product saves you energy and puts to good use all those plastic bottles we discard. For more technical information see [www.eco-wool.co.uk](http://www.eco-wool.co.uk)

### U Values

### Roll Sizes

- 100mm thick x 380mm 9.12m<sup>2</sup> per roll
- 100mm thick x 570mm 9.12m<sup>2</sup> per roll
- 170mm thick x 380mm 5.36m<sup>2</sup> per roll
- 170mm thick x 570mm 5.36m<sup>2</sup> per roll
- 200mm thick x 380mm 4.56m<sup>2</sup> per roll
- 200mm thick x 570mm 4.56m<sup>2</sup> per roll

Insulation between joists					
The table below shows the U-values achieved using Eco-Wool laid in the roof void.					
U-values are based on the first layer of insulation laid between the joists, and the remaining thickness installed as a second layer, cross-laid over the joists to reduce cold bridging.					
Thickness of Eco-Wool (mm)		U-value W/M <sup>2</sup> K			
1st Layer	2nd Layer				
100	170	0.16			
100	200	0.14			
150	200	0.12			
Thickness	Width	Length	Area	Thermal Conductivity	Thermal Resistance
100mm	370mm	8m	2.96M <sup>2</sup>	0.0425 W/mk	2.353 M <sup>2</sup> K/W
150mm	370mm	5.33m	1.97M <sup>2</sup>	0.0425 W/mk	3.529 M <sup>2</sup> K/W
170mm	370mm	4.71m	1.74M <sup>2</sup>	0.0425 W/mk	4.000 M <sup>2</sup> K/W
200mm	370mm	4m	1.48M <sup>2</sup>	0.0425 W/mk	4.706 M <sup>2</sup> K/W
Tensile Strength	Water Vapour Diffusion Resistance Factor	Water Absorption			
		Short Term	Long Term		
2.4 kPa	1.51	0.78 kg/m <sup>2</sup>	1.30 kg/m <sup>2</sup>		
<b>Fire Test BS 5803-4 = Passed</b>					

\*\*In terms of precise Noise Reduction Figures it depends largely on what type of floor construction you are placing this material in, for accurate advice on whether this product is suitable or for a quote, please

call **0845 5212 096**

Please note, the success of any acoustic system, will depend entirely on the construction of the existing building and finishing detail, to the extent that we can not guarantee the level of noise reduction that will actually be achieved. It is the clients responsibility to check the quantities of materials ordered are correct as shortages will have to be paid for separately and to check with Local Building Control on possible testing requirements.