



LOFT INSULATION- THERMAFLEECE

CATEGORY: ENERGY CASE STUDY YEAR: 2007

Business Details:

Boot and Shoe Cottage,
Barnard Castle,
Co Durham



<http://www.bootandshoecottage.co.uk>

Description:

The historic Boot and Shoe Cottage lies on the River Tees near Barnard Castle. The Self-Catering unit received a Silver award through implementing a range of good practice measures like using environmentally friendly cleaning products, providing guests with some home grown foods and information on where they can buy locally produced food, recycling, and composting. With regards to energy efficiency, the site benefits from having double-glazing, a well insulated hot water tank, and increasing their use of low energy light bulbs. A major improvement made since the advisory stage was the upgrading of the loft insulation with Thermafleece a natural thermal insulation material made from sheep's wool. Following is a general outline of the benefits of upgrading your loft insulation Thermafleece. The details are not specific to the business.



Economic

A building without any loft insulation could be losing as much as 30% of its heating costs through the roof. Even if some insulation exists it is recommended to upgrade it to 270mm to achieve higher energy savings.

General figures for the upgrade of loft insulation to 270mm are shown below. Savings made depend on how much insulation is in place already. (Source: EST)

Cost of Project: Installation cost £ 240

Savings Made: between £60-£220

Payback Time: 1-5 years

These figures may vary if Thermafleece is used, as the cost of the material is higher than for regular insulation.



Environmental

- Reducing the energy used to heat the building will reduce the CO₂ produced
- Thermafleece takes less energy to produce than fibre glass insulation
- As wool is a natural fibre Thermafleece is based on a fully renewable source
- Thermafleece is recyclable
- Other Natural Thermal Insulation exist, which have similar environmental benefits



Social

- Thermafleece is safe to handle
- Supports UK sheep farmers

WEB

Energy Saving Trust- Loft insulation:

http://www.energysavingtrust.org.uk/home_improvements/home_insulation_glazing/loft_insulation

Thermafleece Second Nature- <http://www.secondnatureuk.com> (picture source)

Eco-merchant- <http://www.ecomerchant.co.uk>

Green Building Store- <http://www.greenbuildingstore.co.uk/insulation.php>