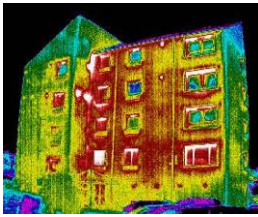


# Insulation Assessment – Housing Stock



Nationwide Coverage  
Call. 01382 228 700

## Project Outline

As part of Aberdeen City Councils continued commitment to its social housing, an insulation refurbishment program was launched in 2005.

The object of the program was to assess and improve the quality of insulation levels within the councils stock meeting Scottish Housing Stock Standards utilising EEC funding (now known as CERT).

In partnership with IRT Surveys, over 22,000 domestic properties were successfully surveyed using Infrared Thermography.

All surveys were carried out during the hours of darkness in dry conditions by uniformed qualified staff. Properties were assessed in regions with no-disruption to occupants.

Each property was assessed for wall and loft insulation continuity along with the thermal performance of doors and windows.

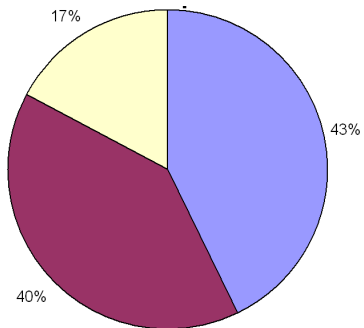
Anomalies were quantified for size, additional energy use and CO<sub>2</sub> production using our unique IRT rating software.

The results were exported to Excel and energy usage graphs produced.

These graphs list each streets combined additional energy use allowing refurbishment programs to be rolled out with maximum efficiency.

Before and after surveys proved that insulation had been successfully replaced.

## Summary of Findings

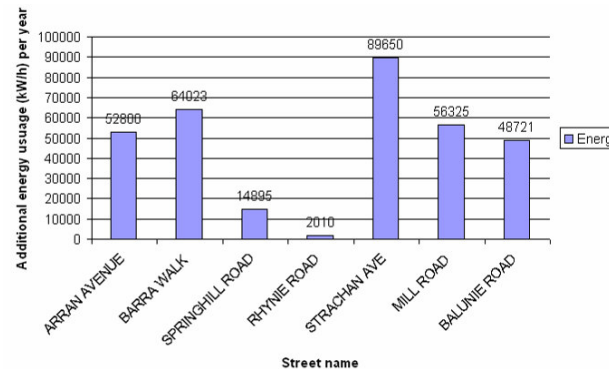


**22,000 properties assessed**

- 9460 Well Insulated  
Cavities filled >95%
- 2740 Inconsistent Insulation  
Cavities filled >70% <95%
- 8800 Poorly insulated  
Cavities filled <70%

All inconsistent and poorly insulated properties were re-insulated surpassing Scottish Housing Stock Standards and meeting EEC requirements.

## Prioritising Refurbishment by Street



Please Note – Fictional street names used due to Privacy Laws

## Testimonial

*“ This Council has worked with IRT Surveys for the past three years, during which time they have consistently provided a reliable service. Their clear reports have helped us identify those properties to target for insulation upgrades in order to meet the Scottish Housing Quality Standards across our Council housing stock. We will be working with IRT Surveys again in the future and I have no hesitation recommending them.”*

**Janice Lyon, Home Energy Co-ordinator,  
Aberdeen City Council**