

INFRARED TEST: Test Report A09269

BEFORE: Single glazed wooden windows

LOCATION

11 Honywood Way,
Frinton-On-Sea, Essex

DATE

08.09.09

TIME

06:45

WEATHER

Start of survey: Dry

End of survey: Dry

WIND SPEED

Start of survey: 1-2

End of survey: 1-2

BUILDING SURFACES

Start of survey: Dry

End of survey: Dry

EXTERNAL AIR TEMP

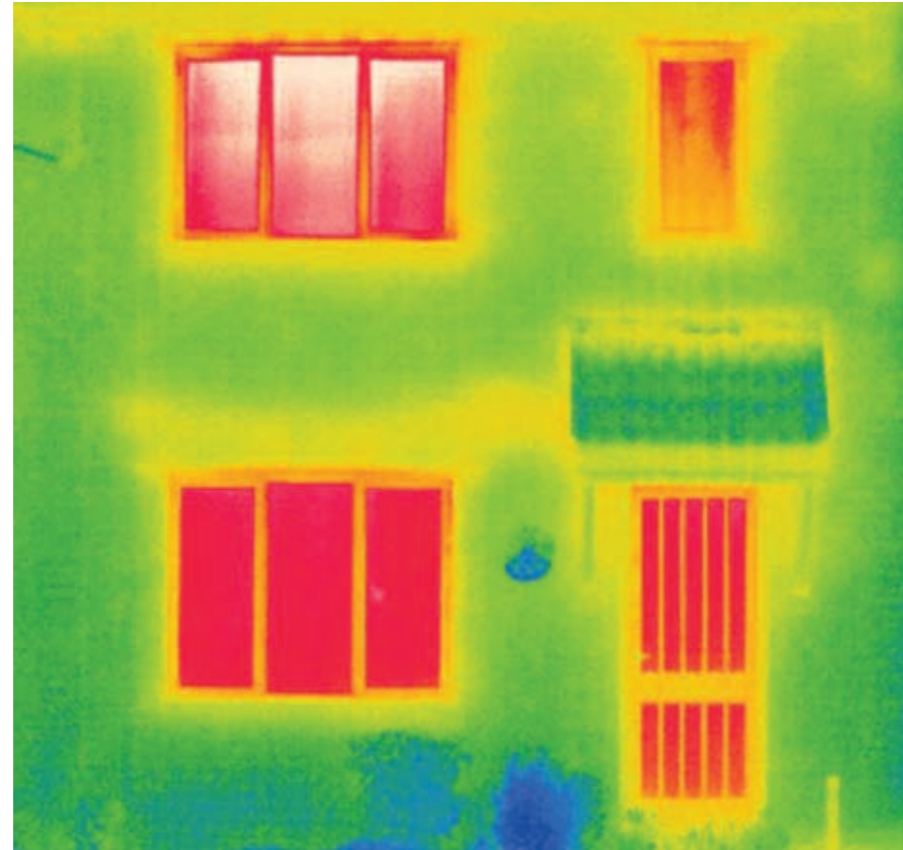
Start of survey: 17.9°C

End of survey: 18.1°C

INTERNAL AIR TEMP

Start of survey: 23.7°C

End of survey: 23.5°C



AFTER: Anglian B-rated casement windows

LOCATION

11 Honywood Way,
Frinton-On-Sea, Essex

DATE

11.09.09

TIME

06:45

WEATHER

Start of survey: Dry

End of survey: Dry

WIND SPEED

Start of survey: 1

End of survey: 1

BUILDING SURFACES

Start of survey: Dry

End of survey: Dry

EXTERNAL AIR TEMP

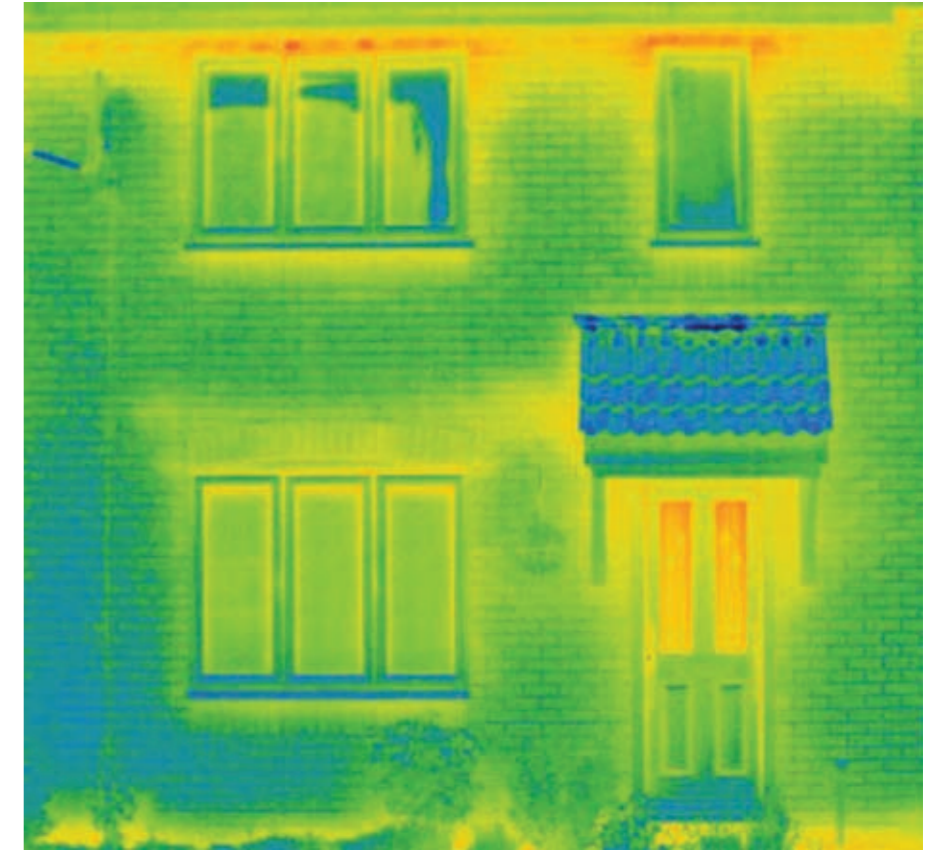
Start of survey: 13.1°C

End of survey: 13.8°C

INTERNAL AIR TEMP

Start of survey: 20.5°C

End of survey: 20.5°C

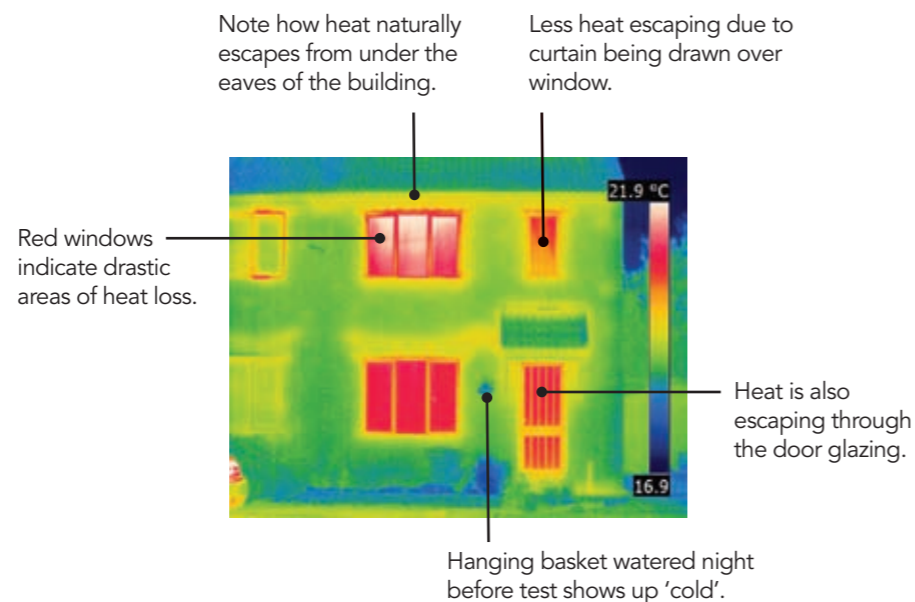


COMMENTS

It must be noted that the images were taken several days apart due to the time difference between the removal of the existing windows and the installation of the new ones.

Internal/external air temperatures were relatively close on the two days.

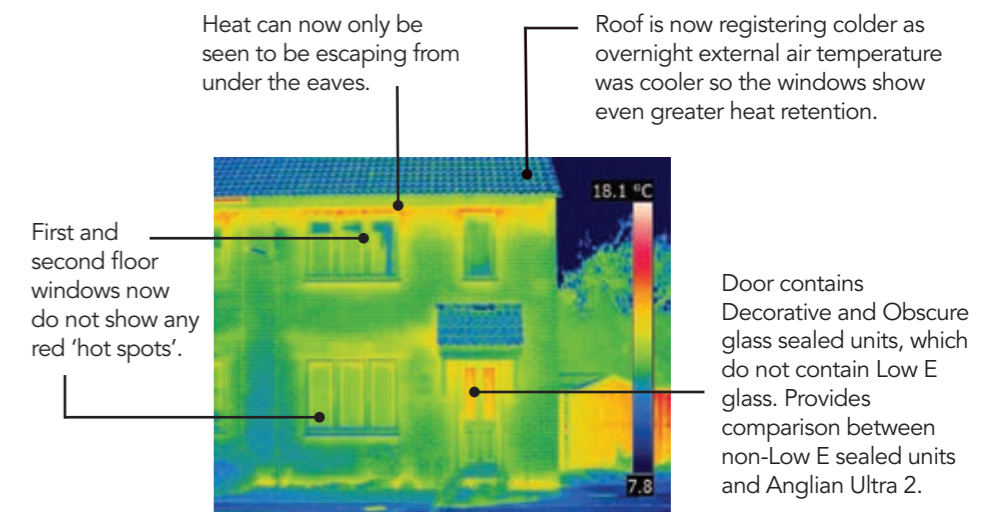
The thermographic image taken of the existing single glazed windows indicates that the external surface temperature of the single glazed unit are close to the internal air temperature indicating significant heat loss.



COMMENTS

The image taken on 11.09.09 clearly shows that the external surface temperature of the double glazing is close to the external air temperature.

Anglian B-rated casement windows therefore provide significantly better thermal insulation than single glazed wooden windows.



CUSTOMER COMMENT: "The difference is very noticeable. I am undergoing treatment at the moment for a medical condition and I feel the cold terribly. Since having the windows fitted and despite it becoming rather Autumnal, I still have not had to have the heating on." D Winter, Owner, 11 Honywood Way.

BEFORE: Single glazed wooden windows

AFTER: Anglian B-rated casement windows



BEFORE AND AFTER THERMOGRAPHIC INSPECTION:

Infrared image comparison of single vs double glazed windows on the same property.

**RESULTS DATA SHEET:
11 Honywood Way,
Frinton-On-Sea, Essex**

To demonstrate the thermal properties of our B-rated casement windows, we took thermal pictures of this property before and then after fitting it with our energy saving windows.

The survey was conducted by David McKenna of Build Check Ltd an independent ITC Level 1 Thermographer. The thermal images were taken with a Flir P620 Thermal Camera serial no. 309001804.

Environmental conditions were good, details of which can be seen in the test data inside.

The survey was conducted from outside the building following the principles of BR176 and BS EN 13187:1999.

Here's the potential energy saving figures in black and white.*

ENERGY TYPE	COST/EMISSION	TIMBER SINGLE GLAZED	PVC-U DOUBLE GLAZED**
OIL	£ Cost	£1,482	£1,012
	CO ₂ tonnes	6.32	4.31
ELECTRICITY	£ Cost	£1,613	£1,101
	CO ₂ tonnes	10.89	7.43
GAS	£ Cost	£1,107	£755
	CO ₂ tonnes	5.67	3.87

*Savings calculated from Glass and Glazing Federation (GGF Calculator) and based on total window area of 12.51m²



FSC logo to be placed by printer

We carried out this thermal test to support our mission to improve the energy efficiency of Britain's homes. Ask about the National Window Scrapage Scheme. Through it, you too could make your home a lot more energy efficient.

0800 500 6000
www.anglianhome.co.uk

OUR LINES ARE OPEN: 8am-9pm MONDAY-FRIDAY
9am-5pm SATURDAY & SUNDAY



Test Report A09269 Following BR176 and BS EN 13187:1999	David McKenna Ceng MCIBSE ITC Level 1 Report submitted 16.09.09	<i>David McKenna</i>
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