Energy Performance Certificate (EPC)

FLAT 34 WHITTINGEHAME COURT, 1350 GREAT WESTERN ROAD, GLASGOW, G12 0BG

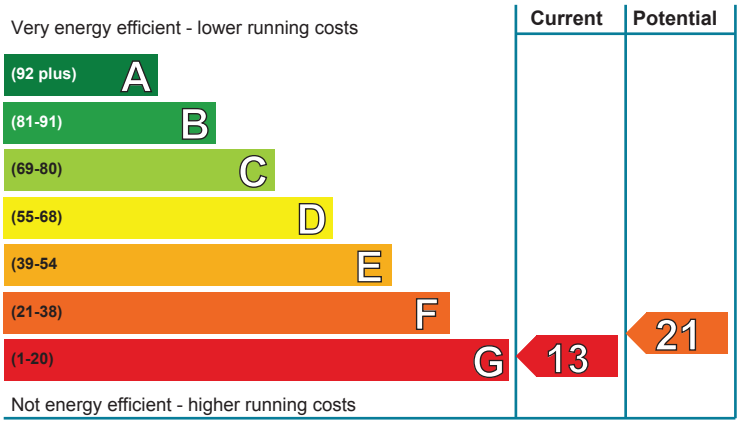
Dwelling type:	Top-floor flat	**Reference number:**	2717-7220-8009-0018-4926
Date of assessment:	28 October 2013	**Type of assessment:**	RdSAP, existing dwelling
Date of certificate:	31 October 2013	**Primary Energy Indicator:**	800 kWh/m²/year
Total floor area:	47 m²	**Main heating and fuel:**	Electric storage heaters

You can use this document to:

- **Compare current ratings of properties to see which are more energy efficient and environmentally friendly**
- **Find out how to save energy and money and also reduce CO_2 emissions by improving your home**

Estimated energy costs for your home for 3 years*	**£5,202**	See your recommendations report for more information
Over 3 years you could save*	**£744**	

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions

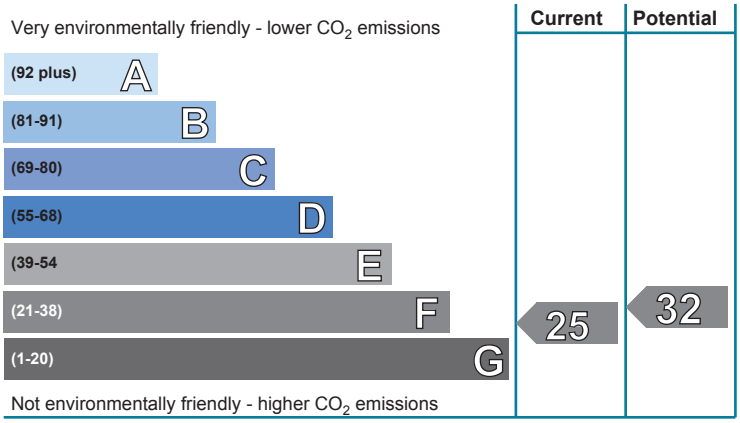


Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band G (13)**. The average rating for a home in Scotland is **band D (61).**

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.



Environmental Impact (CO_2) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band F (25)**. The average rating for a home in Scotland is **band D (59).**

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years	Available with Green Deal
1 Cavity wall insulation	£500 - £1,500	£438	
2 Increase hot water cylinder insulation	£15 - £30	£171	
3 Fan assisted storage heaters	£600 - £800	£132	

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

GREEN DEAL APPROVED

The Green Deal may allow you to make your home warmer and cheaper to run at no up-front capital cost. See your recommendations report for more details.

THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Cavity wall, as built, no insulation (assumed)	★★☆☆☆	★★☆☆☆
Roof	Pitched, no insulation (assumed)	★☆☆☆☆	★☆☆☆☆
Floor	(other premises below)	—	—
Windows	Fully double glazed	★★★☆☆	★★★☆☆
Main heating	Electric storage heaters	★☆☆☆☆	★☆☆☆☆
Main heating controls	Manual charge control	★★☆☆☆	★★☆☆☆
Secondary heating	Portable electric heaters (assumed)	—	—
Hot water	Electric immersion, standard tariff	★☆☆☆☆	★☆☆☆☆
Lighting	Low energy lighting in 40% of fixed outlets	★★★☆☆	★★★☆☆

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO_2 emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 6.6 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.9 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

Estimated energy costs for this home

	Current energy costs	Potential energy costs	Potential future savings
Heating	£4,059 over 3 years	£3,594 over 3 years	You could save £744 over 3 years
Hot water	£1,002 over 3 years	£723 over 3 years	
Lighting	£141 over 3 years	£141 over 3 years	
Totals	**£5,202**	**£4,458**	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0800 512 012. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

	Recommended measures	Indicative cost	Typical saving per year	Rating after improvement		Green Deal
				Energy	Environment	
1	Cavity wall insulation	£500 - £1,500	£146	G 18	F 29	✓
2	Increase hot water cylinder insulation	£15 - £30	£57	G 20	F 30	✓
3	Fan assisted storage heaters and dual immersion cylinder	£600 - £800	£44	F 21	F 32	✓

Measures which have a green deal tick ✓ are likely to be eligible for Green Deal finance plans based on indicative costs. Subsidy also may be available for some measures, such as solid wall insulation. Additional support may also be available for certain households in receipt of means tested benefits. Measures which have an orange tick ✓ may need additional finance. To find out how you could use Green Deal finance to improve your property, visit www.greenerscotland.org or contact the Home Energy Scotland hotline on 0800 512 012.

Alternative measures

There are alternative improvement measures which you could also consider for your home. It would be advisable to seek further advice and illustration of the benefits and costs of such measures.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump
- Micro CHP

Choosing the right improvement package

For free and impartial advice on choosing suitable measures for your property, contact the Home Energy Scotland hotline on 0800 512 012 or go to www.greenerscotland.org.

energy saving trust

About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Cavity wall insulation

Cavity wall insulation, to fill the gap between the inner and outer layers of external walls with an insulating material, reduces heat loss; this will improve levels of comfort, reduce energy use and lower fuel bills. The insulation material is pumped into the gap through small holes that are drilled into the outer walls, and the holes are made good afterwards. As specialist machinery is used to fill the cavity, a professional installation company should carry out this work, and they should carry out a thorough survey before commencing work to ensure that this type of insulation is suitable for this home and its exposure. They should also provide a guarantee for the work and handle any building standards issues. Further information about cavity wall insulation and details of local installers can be obtained from the Building Standards Division's section of the Scottish Government website (www.scotland.gov.uk/Topics/Built-Environment/Building/Building-standards/publications/pubguide/cavitywallinsul) or the National Insulation Association (www.nationalinsulationassociation.org.uk).

2 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

3 Fan assisted storage heaters

Modern storage heaters are smaller and easier to control than the older type in this property. Ask for a quotation for new, fan-assisted heaters with automatic charge control. A dual-immersion cylinder, which can be installed at the same time, will provide cheaper hot water than the system currently installed. Installations should be in accordance with the current regulations covering electrical wiring. Ask the heating engineer to explain the options, which might also include switching to other forms of electric heating.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

For most homes, the vast majority of energy costs come from heating the home. Where applicable to your home, the table below shows the energy that could be saved by insulating the attic and walls, based upon the typical energy use for this building. Numbers shown in brackets are the reduction in energy use possible from each improvement measure.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	9,953	(5,557)	(1,186)	N/A
Water heating (kWh per year)	2,457			

Addendum

About this document

This Recommendations Report and the accompanying Energy Performance Certificate are valid for a maximum of ten years. These documents cease to be valid where superseded by a more recent assessment of the same building carried out by a member of an Approved Organisation.

The Energy Performance Certificate and this Recommendations Report for this building were produced following an energy assessment undertaken by an assessor accredited by Elmhurst (www.elmhurstenergy.co.uk), an Approved Organisation Appointed by Scottish Ministers. The certificate has been produced under the Energy Performance of Buildings (Scotland) Regulations 2008 from data lodged to the Scottish EPC register. You can verify the validity of this document by visiting www.scottishepcregister.org.uk and entering the report reference number (RRN) printed at the top of this page.

Assessor's name:	Mr. James Denholm
Assessor membership number:	EES/008219
Company name/trading name:	Allied Surveyors Scotland Plc
Address:	Herbert House 30 Herbert Street Glasgow G20 6NB
Phone number:	0141 337 1133
Email address:	keith.denholm@alliedsurveyorsscotland.com
Related party disclosure:	No related party

If you have any concerns regarding the content of this report or the service provided by your assessor you should in the first instance raise these matters with your assessor and with the Approved Organisation to which they belong. All Approved Organisations are required to publish their complaints and disciplinary procedures and details can be found online at the web address given above.

Use of this energy performance information

This Certificate and Recommendations Report will be available to view online by any party with access to the report reference number (RRN) and to organisations delivering energy efficiency and carbon reduction initiatives on behalf of the Scottish and UK Governments. If you are the current owner or occupier of this building and do not wish this data to be used by these organisations to contact you in relation to such initiatives, please opt out by visiting www.scottishepcregister.org.uk and your data will be restricted accordingly. Further information on this and on Energy Performance Certificates in general can be found at www.scotland.gov.uk/epc.

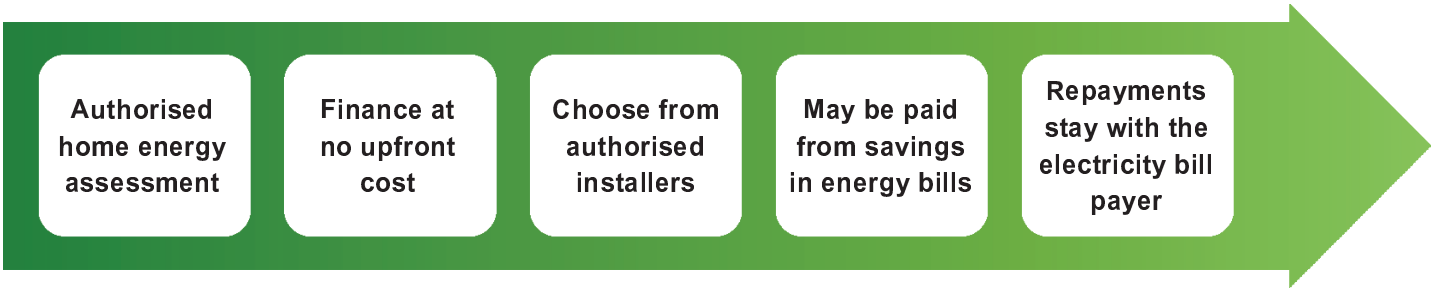
Opportunity to benefit from a Green Deal on this property

Under a Green Deal, the cost of the improvements is repaid over time via a credit agreement. Repayments are made through a charge added to the electricity bill for the property.

To see which improvements are recommended for this property, please turn to page 3. You can choose which improvements you want to install and ask for a quote from an authorised Green Deal provider. They will organise installation by an authorised Green Deal installer. If you move home, the responsibility for paying the Green Deal charge under the credit agreement passes to the new electricity bill payer.

For householders in receipt of income-related benefits, additional help may be available.

To find out more, visit **www.greenerscotland.org or call 0800 512 012.**



oneSURVEY HOME REPORT

Mortgage Valuation Report

Property:	Flat 34 Whittingehame Court 1350 Great Western Road Glasgow G12 0BG	Client: Tenure:	Mrs. Deborah Thornton Ownership
Date of Inspection:	28 Oct 2013	Reference:	GC/3967/JKD/AV

This report has been prepared in response to your recent instructions to carry out a valuation report on the property referred to above. Please note that for most clients purchasing a property, the more detailed HOME CONDITION REPORT is recommended. This report and our inspection to which it refers have been carried out in accordance with the RICS Valuation Standards. Your attention is drawn to the additional comments elsewhere within the report, which set out the extent and limitations of the service provided. This report should be read in conjunction with the instruction acknowledgement. It is normal practice and a requirement of the RICS Valuation Standards regulations to point out that this report is for the use of the party to whom it is addressed, or their named client, or their nominated lenders, and no responsibility is accepted to any third party for the whole, or any part of its contents. Your attention is drawn to the fact that neither the whole, nor any part of this report, or any reference thereto may be included in any document, circular or statement without prior approval in writing as to the form in which it will appear.

1.0 LOCATION

The subjects are located in a popular and established residential area of Kelvinside which is to the west of Glasgow city centre. Surrounding properties comprise similar age, type and quality of flats. All local amenities and facilities are located within a short distance.

2.0 DESCRIPTION

2.1 Age: Approx 50 years.

The subjects comprise a purpose built top floor flat contained within a six storey block with communal entrance and lift.

3.0 CONSTRUCTION

The outer walls to the property are of brick construction with the roof being flat and finished in Asphalt or similar material.

4.0 ACCOMMODATION

Entrance hallway, sitting room, bedroom, kitchen and shower room.

5.0 SERVICES *(No tests have been applied to any of the services)*

Water:	Mains	**Electricity:**	Mains	**Gas:**	None	**Drainage:**	Mains
Central Heating:	Electric						

6.0 OUTBUILDINGS

Garage: Not applicable.

Others:	Not applicable.

7.0	**GENERAL CONDITION -** *A building survey has not been carried out, nor has any inspection been made of any woodwork, services or other parts of the property which were covered, unexposed or inaccessible. The report cannot therefore confirm that such parts of the property are free from defect. Failure to rectify defects, particularly involving water penetration may result in further and more serious defects arising. Where defects exist and where remedial work is necessary, prospective purchasers are advised to seek accurate estimates and costings from appropriate Contractors or Specialists before proceeding with the purchase. Generally we will not test or report on boundary walls, fences, outbuildings, radon gas or site contamination.*

During the course of inspection, undertaken for Home Report purposes, the property was seen to be generally well presented and no major defects were evident likely to materially affect the market value. The building does have a flat roof and from our ground level inspection no sight was possible of the flat roof covering. It is always imperative that a regular ongoing maintenance programme is adopted in order to maintain it in a wind and watertight condition.

8.0	**ESSENTIAL REPAIR WORK** *(as a condition of any mortgage or, to preserve the condition of the property)*

Not applicable.

8.1 Retention recommended:	

9.0	**ROADS & FOOTPATHS**

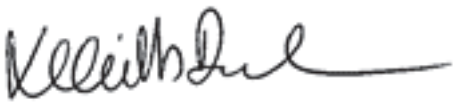
Understood to be made up and adopted.

10.0	**BUILDINGS INSURANCE**	£95,000	**GROSS EXTERNAL FLOOR AREA**	56	**Square metres**
	This figure is an opinion of an appropriate sum for which the property and substantial outbuildings should be insured against total destruction on a re-instatement basis assuming reconstruction of the property in its existing design and materials. Furnishings and fittings have not been included. No allowance has been included for inflation during the insurance period or during re-construction and no allowance has been made for VAT, other than on professional fees. Further discussions with your insurers is advised.				
11.0	**GENERAL REMARKS**				

Not applicable.

11.1	**RENTAL VALUE**– *estimated monthly rent assuming 6 month short term assured tenancy*	£
12.0	**VALUATION** *On the assumption of vacant possession and that the property is unaffected by any adverse planning proposals, onerous burdens, title restrictions or servitude rights. It is assumed that all necessary Local Authority consents, which may have been required, have been sought and obtained. No investigation of any contamination on, under or within the property has been made as we consider such matters to be outwith the scope of this report. All property built prior to the year 2000 may contain asbestos in one or more of its components or fittings. It is impossible to identify without a test. It is beyond the scope of this inspection to test for asbestos and future occupants should be advised that if they have any concerns then they should ask for a specialist to undertake appropriate tests.*	

12.1	**Market Value in present condition:**	**£**	115,000	
12.2	**Market Value on completion of essential works:**	**£**	-	
12.3	**Suitable security for normal mortgage purposes ?**	[x]YES [ ]NO		

12.4	**Date of Valuation:**	28 October 2013		
Signature:				
Surveyor:	J Keith Denholm, MRICS		**Date:**	29 October 2013

Glasgow North - Allied Surveyors Scotland Plc

Office:	**Herbert House 24 Herbert Street Glasgow G20 6NB**	**Tel: 0141 337 1133 Fax: 0141 337 3007 email: glasgow.north@alliedsurveyorsscotland.com**

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