Energy Performance Certificate

HM Government

Flat 1, 28 Swinburne Street, DERBY, DE1 2HJ

Dwelling type:	Ground-floor flat	**Reference number:**	2428-6030-6225-4168-0990
Date of assessment:	22 May 2018	**Type of assessment:**	RdSAP, existing dwelling
Date of certificate:	26 May 2018	**Total floor area:**	39 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

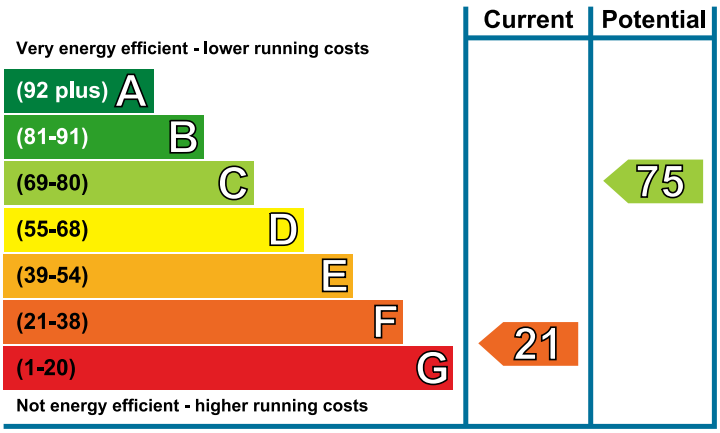
Estimated energy costs of dwelling for 3 years:	**£ 4,359**
Over 3 years you could save	**£ 3,108**

Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 201 over 3 years	£ 99 over 3 years	You could save £ 3,108 over 3 years
Heating	£ 3,654 over 3 years	£ 648 over 3 years	
Hot Water	£ 504 over 3 years	£ 504 over 3 years	
Totals	**£ 4,359**	**£ 1,251**	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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

Recommended measures	Indicative cost	Typical savings over 3 years
1 Internal or external wall insulation	£4,000 - £14,000	£ 1,101
2 Floor insulation (suspended floor)	£800 - £1,200	£ 432
3 Draught proofing	£80 - £120	£ 63

See page 3 for a full list of recommendations for this property.

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★☆☆☆☆
Roof	(another dwelling above)	—
Floor	Suspended, no insulation (assumed)	—
Windows	Single glazed	★☆☆☆☆
Main heating	No system present: electric heaters assumed	★☆☆☆☆
Main heating controls	None	★☆☆☆☆
Secondary heating	None	—
Hot water	Electric instantaneous at point of use	★☆☆☆☆
Lighting	No low energy lighting	★☆☆☆☆

Current primary energy use per square metre of floor area: 604 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. ‘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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand

For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	6,379	N/A	N/A	(1,936)
Water heating (kWh per year)	944			

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 367	F36
Floor insulation (suspended floor)	£800 - £1,200	£ 144	E43
Draught proofing	£80 - £120	£ 21	E45
Low energy lighting for all fixed outlets	£15	£ 18	E46
High heat retention storage heaters	£800 - £1,200	£ 406	C70
Replace single glazed windows with low-E double glazed windows	£3,300 - £6,500	£ 80	C75

Alternative measures

There are alternative measures below which you could also consider for your home.

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

Opportunity to benefit from a Green Deal on this property

Green Deal Finance allows you to pay for some of the cost of your improvements in instalments under a Green Deal Plan (note that this is a credit agreement, but with instalments being added to the electricity bill for the property). The availability of a Green Deal Plan will depend upon your financial circumstances. There is a limit to how much Green Deal Finance can be used, which is determined by how much energy the improvements are estimated to **save** for a 'typical household'.

You may be able to obtain support towards repairs or replacements of heating systems and/or basic insulation measures, if you are in receipt of qualifying benefits or tax credits. To learn more about this scheme and the rules about eligibility, call the Energy Saving Advice Service on **0300 123 1234** for England and Wales.

About this document and the data in it

This document has been produced following an energy assessment undertaken by a qualified Energy Assessor, accredited by Stroma Certification. You can obtain contact details of the Accreditation Scheme at www.stroma.com.

A copy of this certificate has been lodged on a national register as a requirement under the Energy Performance of Buildings Regulations 2012 as amended. It will be made available via the online search function at www.epcregister.com. The certificate (including the building address) and other data about the building collected during the energy assessment but not shown on the certificate, for instance heating system data, will be made publicly available at www.opendatacommunities.org.

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Assessor's accreditation number:	STRO010941
Assessor's name:	Robert Palmer
Phone number:	07427581920
E-mail address:	robert@ecogec.com
Related party disclosure:	No related party

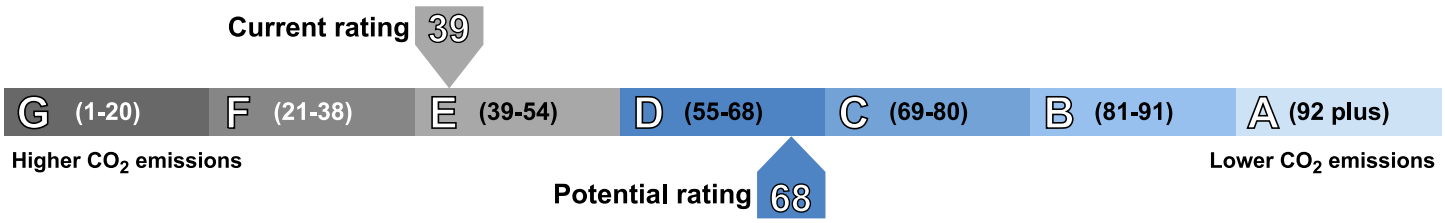
There is more information in the guidance document *Energy Performance Certificates for the marketing, sale and let of dwellings* available on the Government website at: www.gov.uk/government/collections/energy-performance-certificates. It explains the content and use of this document, advises on how to identify the authenticity of a certificate and how to make a complaint.

About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 4.0 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 2.1 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO_2) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Energy Performance Certificate

HM Government

Flat 2, 28 Swinburne Street, DERBY, DE1 2HJ

Dwelling type:	Mid-floor flat	**Reference number:**	2728-4050-6215-4468-0940
Date of assessment:	22 May 2018	**Type of assessment:**	RdSAP, existing dwelling
Date of certificate:	26 May 2018	**Total floor area:**	47 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

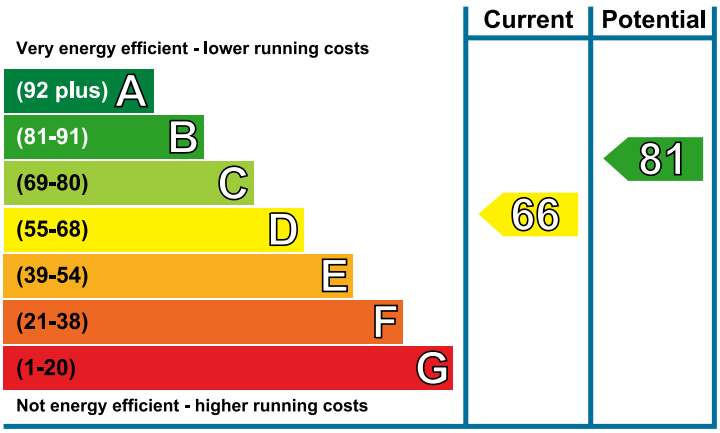
Estimated energy costs of dwelling for 3 years:	**£ 1,896**
Over 3 years you could save	**£ 861**

Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 237 over 3 years	£ 120 over 3 years	You could save £ 861 over 3 years
Heating	£ 1,113 over 3 years	£ 369 over 3 years	
Hot Water	£ 546 over 3 years	£ 546 over 3 years	
Totals	**£ 1,896**	**£ 1,035**	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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

Recommended measures	Indicative cost	Typical savings over 3 years
1 Internal or external wall insulation	£4,000 - £14,000	£ 480
2 Draught proofing	£80 - £120	£ 21
3 Low energy lighting for all fixed outlets	£30	£ 93

See page 3 for a full list of recommendations for this property.

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★☆☆☆☆
Roof	(another dwelling above)	—
Floor	(another dwelling below)	—
Windows	Single glazed	★☆☆☆☆
Main heating	Electric storage heaters	★★★☆☆
Main heating controls	Controls for high heat retention storage heaters	★★★★☆
Secondary heating	Portable electric heaters (assumed)	—
Hot water	Electric instantaneous at point of use	★☆☆☆☆
Lighting	No low energy lighting	★☆☆☆☆

Current primary energy use per square metre of floor area: 379 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. ‘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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand

For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	4,394	N/A	N/A	(1,936)
Water heating (kWh per year)	1,021			

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 160	C74
Draught proofing	£80 - £120	£ 7	C75
Low energy lighting for all fixed outlets	£30	£ 31	C77
Replace single glazed windows with low-E double glazed windows	£3,300 - £6,500	£ 88	B81

Opportunity to benefit from a Green Deal on this property

Green Deal Finance allows you to pay for some of the cost of your improvements in instalments under a Green Deal Plan (note that this is a credit agreement, but with instalments being added to the electricity bill for the property). The availability of a Green Deal Plan will depend upon your financial circumstances. There is a limit to how much Green Deal Finance can be used, which is determined by how much energy the improvements are estimated to **save** for a 'typical household'.

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Assessor's accreditation number:	STRO010941
Assessor's name:	Robert Palmer
Phone number:	07427581920
E-mail address:	robert@ecogec.com
Related party disclosure:	No related party

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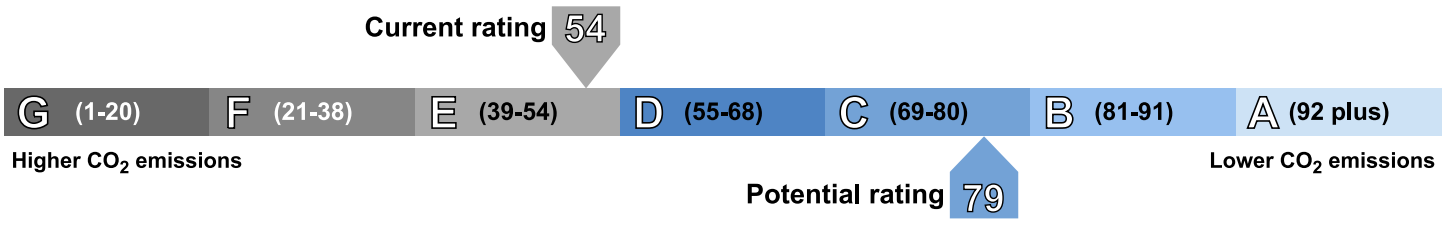
About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 3.0 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 1.6 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO_2) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Energy Performance Certificate

HM Government

Flat 3, 28 Swinburne Street, DERBY, DE1 2HJ

Dwelling type:	Top-floor flat	**Reference number:**	0350-2882-7853-9128-8735
Date of assessment:	22 May 2018	**Type of assessment:**	RdSAP, existing dwelling
Date of certificate:	26 May 2018	**Total floor area:**	36 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

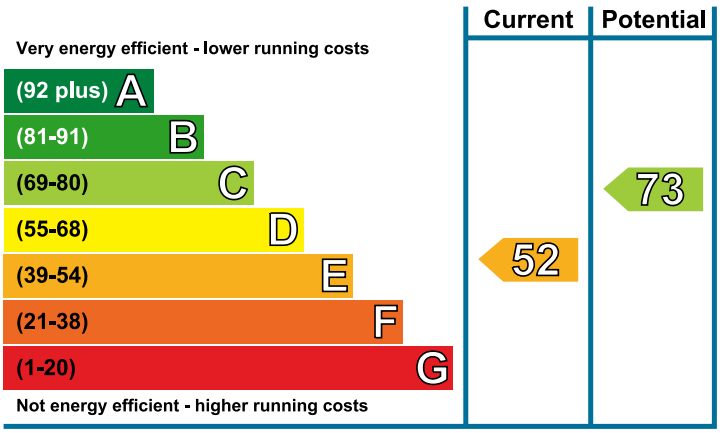
Estimated energy costs of dwelling for 3 years:	**£ 2,310**
Over 3 years you could save	**£ 1,014**

Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 168 over 3 years	£ 93 over 3 years	You could save £ 1,014 over 3 years
Heating	£ 1,653 over 3 years	£ 714 over 3 years	
Hot Water	£ 489 over 3 years	£ 489 over 3 years	
Totals	**£ 2,310**	**£ 1,296**	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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

Recommended measures	Indicative cost	Typical savings over 3 years
1 Low energy lighting for all fixed outlets	£20	£ 39
2 High heat retention storage heaters	£800 - £1,200	£ 975

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	System built, with internal insulation	★★★★☆
Roof	Pitched, 200 mm loft insulation	★★★★☆
Floor	(another dwelling below)	—
Windows	Fully double glazed	★★★☆☆
Main heating	No system present: electric heaters assumed	★☆☆☆☆
Main heating controls	None	★☆☆☆☆
Secondary heating	None	—
Hot water	Electric instantaneous at point of use	★☆☆☆☆
Lighting	Low energy lighting in 20% of fixed outlets	★★☆☆☆

Current primary energy use per square metre of floor area: 349 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. ‘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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand

For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	2,864	N/A	N/A	N/A
Water heating (kWh per year)	918			

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Low energy lighting for all fixed outlets	£20	£ 13	E53
High heat retention storage heaters	£800 - £1,200	£ 325	C73

Alternative measures

There are alternative measures below which you could also consider for your home.

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

Opportunity to benefit from a Green Deal on this property

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Assessor's accreditation number:	STRO010941
Assessor's name:	Robert Palmer
Phone number:	07427581920
E-mail address:	robert@ecogec.com
Related party disclosure:	No related party

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The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 2.1 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.1 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

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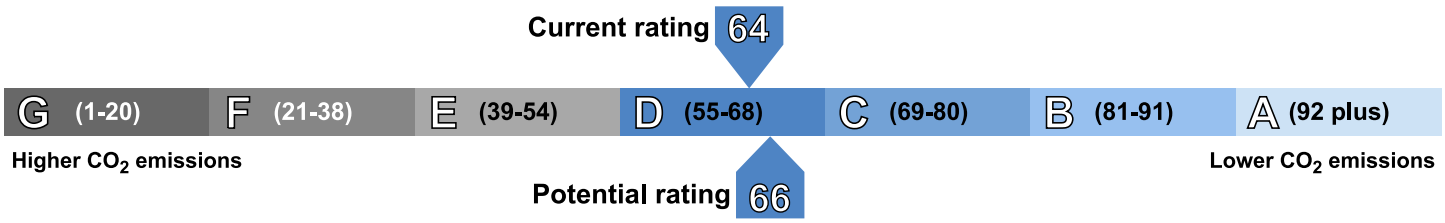

Energy Performance Certificate

HM Government

Flat 4, 28 Swinburne Street, DERBY, DE1 2HJ

Dwelling type:	Mid-floor flat	**Reference number:**	8618-7125-5830-3852-7926
Date of assessment:	22 May 2018	**Type of assessment:**	RdSAP, existing dwelling
Date of certificate:	26 May 2018	**Total floor area:**	24 m²

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- Find out how you can save energy and money by installing improvement measures

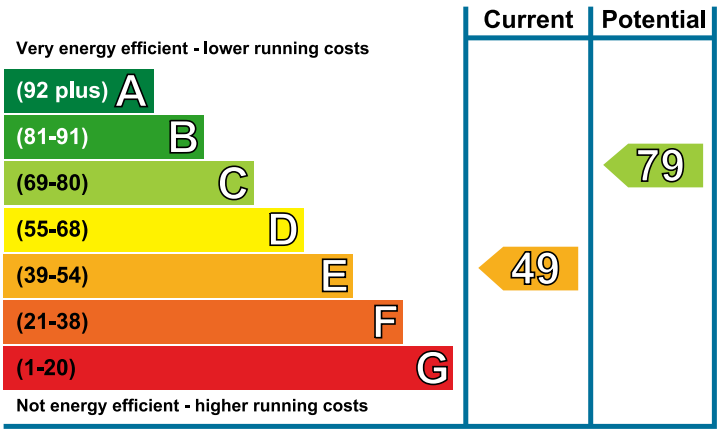
Estimated energy costs of dwelling for 3 years:	**£ 2,091**
Over 3 years you could save	**£ 1,218**

Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 141 over 3 years	£ 72 over 3 years	You could save £ 1,218 over 3 years
Heating	£ 1,500 over 3 years	£ 351 over 3 years	
Hot Water	£ 450 over 3 years	£ 450 over 3 years	
Totals	**£ 2,091**	**£ 873**	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

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The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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

Recommended measures	Indicative cost	Typical savings over 3 years
1 Internal or external wall insulation	£4,000 - £14,000	£ 690
2 Draught proofing	£80 - £120	£ 27
3 Low energy lighting for all fixed outlets	£15	£ 42

See page 3 for a full list of recommendations for this property.

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Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★☆☆☆☆
Roof	(another dwelling above)	—
Floor	(another dwelling below)	—
Windows	Fully double glazed	★★★☆☆
Main heating	No system present: electric heaters assumed	★☆☆☆☆
Main heating controls	None	★☆☆☆☆
Secondary heating	None	—
Hot water	Electric instantaneous at point of use	★☆☆☆☆
Lighting	No low energy lighting	★☆☆☆☆

Current primary energy use per square metre of floor area: 469 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. ‘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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand

For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	2,595	N/A	N/A	(1,213)
Water heating (kWh per year)	842			

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 230	D65
Draught proofing	£80 - £120	£ 9	D66
Low energy lighting for all fixed outlets	£15	£ 14	D67
High heat retention storage heaters	£800 - £1,200	£ 155	C79

Alternative measures

There are alternative measures below which you could also consider for your home.

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

Opportunity to benefit from a Green Deal on this property

Green Deal Finance allows you to pay for some of the cost of your improvements in instalments under a Green Deal Plan (note that this is a credit agreement, but with instalments being added to the electricity bill for the property). The availability of a Green Deal Plan will depend upon your financial circumstances. There is a limit to how much Green Deal Finance can be used, which is determined by how much energy the improvements are estimated to **save** for a 'typical household'.

You may be able to obtain support towards repairs or replacements of heating systems and/or basic insulation measures, if you are in receipt of qualifying benefits or tax credits. To learn more about this scheme and the rules about eligibility, call the Energy Saving Advice Service on **0300 123 1234** for England and Wales.

About this document and the data in it

This document has been produced following an energy assessment undertaken by a qualified Energy Assessor, accredited by Stroma Certification. You can obtain contact details of the Accreditation Scheme at www.stroma.com.

A copy of this certificate has been lodged on a national register as a requirement under the Energy Performance of Buildings Regulations 2012 as amended. It will be made available via the online search function at www.epcregister.com. The certificate (including the building address) and other data about the building collected during the energy assessment but not shown on the certificate, for instance heating system data, will be made publicly available at www.opendatacommunities.org.

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Assessor's accreditation number:	STRO010941
Assessor's name:	Robert Palmer
Phone number:	07427581920
E-mail address:	robert@ecogec.com
Related party disclosure:	No related party

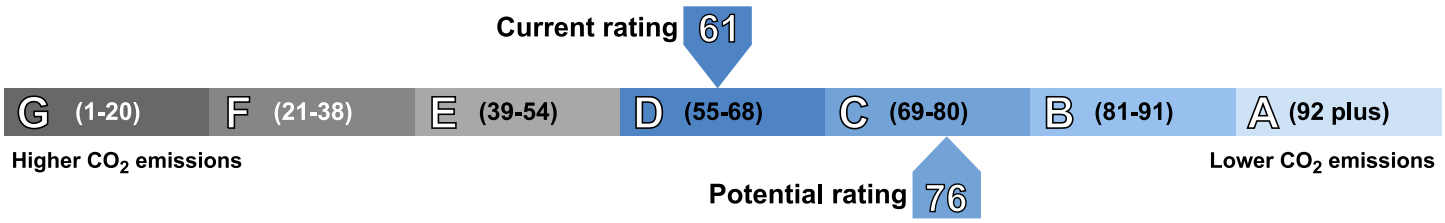
There is more information in the guidance document *Energy Performance Certificates for the marketing, sale and let of dwellings* available on the Government website at: www.gov.uk/government/collections/energy-performance-certificates. It explains the content and use of this document, advises on how to identify the authenticity of a certificate and how to make a complaint.

About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 1.9 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.7 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO_2) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Energy Performance Certificate

HM Government

Flat 5, 28 Swinburne Street, DERBY, DE1 2HJ

Dwelling type:	Ground-floor flat	**Reference number:**	2528-6087-7235-5688-1960
Date of assessment:	22 May 2018	**Type of assessment:**	RdSAP, existing dwelling
Date of certificate:	26 May 2018	**Total floor area:**	26 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

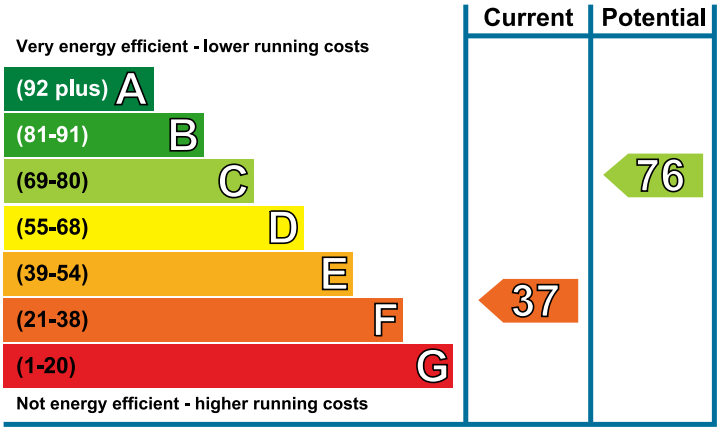
Estimated energy costs of dwelling for 3 years:	**£ 2,760**
Over 3 years you could save	**£ 1,767**

Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 150 over 3 years	£ 75 over 3 years	You could save £ 1,767 over 3 years
Heating	£ 2,154 over 3 years	£ 462 over 3 years	
Hot Water	£ 456 over 3 years	£ 456 over 3 years	
Totals	**£ 2,760**	**£ 993**	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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

Recommended measures	Indicative cost	Typical savings over 3 years
1 Internal or external wall insulation	£4,000 - £14,000	£ 636
2 Floor insulation (solid floor)	£4,000 - £6,000	£ 300
3 Low energy lighting for all fixed outlets	£15	£ 42

See page 3 for a full list of recommendations for this property.

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★☆☆☆☆
Roof	(another dwelling above)	—
Floor	Solid, no insulation (assumed)	—
Windows	Partial double glazing	★★☆☆☆
Main heating	No system present: electric heaters assumed	★☆☆☆☆
Main heating controls	None	★☆☆☆☆
Secondary heating	None	—
Hot water	Electric instantaneous at point of use	★☆☆☆☆
Lighting	No low energy lighting	★☆☆☆☆

Current primary energy use per square metre of floor area: 565 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. ‘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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand

For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	3,743	N/A	N/A	(1,115)
Water heating (kWh per year)	853			

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 212	E50
Floor insulation (solid floor)	£4,000 - £6,000	£ 100	D57
Low energy lighting for all fixed outlets	£15	£ 14	D58
High heat retention storage heaters	£800 - £1,200	£ 240	C75
Replace single glazed windows with low-E double glazed windows	£3,300 - £6,500	£ 24	C76

Alternative measures

There are alternative measures below which you could also consider for your home.

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

Opportunity to benefit from a Green Deal on this property

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Assessor's accreditation number:	STRO010941
Assessor's name:	Robert Palmer
Phone number:	07427581920
E-mail address:	robert@ecogec.com
Related party disclosure:	No related party

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One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 2.5 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 1.1 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO_2) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.