

Energy performance certificate (EPC) recommendation report

15b Wintersells Road
Byfleet
WEST BYFLEET
KT14 7LF

Report number
0218-0201-0404-2019-3814

Valid until
22 September 2034

Energy rating and EPC

This property's energy rating is D.

For more information on the property's energy performance, see the EPC for this property.

Recommendations

Changes that may pay for themselves within 3 years

Recommendation	Potential impact on carbon emissions
Add time control to heating system.	Medium
In some spaces, the solar gain limit defined in the NCM is exceeded, which might cause overheating. Consider solar control measures such as the application of reflective coating or shading devices to windows.	Medium
Consider replacing T8 lamps with retrofit T5 conversion kit.	High
Add optimum start/stop to the heating system.	Medium
The default heat generator efficiency is chosen. It is recommended that the heat generator system be investigated to gain an understanding of its efficiency and possible improvements.	Low

Changes that may pay for themselves within 3 to 7 years

Recommendation	Potential impact on carbon emissions
Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.	Low
Some windows have high U-values - consider installing secondary glazing.	Medium
Add local temperature control to the heating system.	Medium
Add weather compensation controls to heating system.	Medium
Add local time control to heating system.	Medium
Consider replacing heating boiler plant with a condensing type.	High
Consider switching from gas to biomass.	High
Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.	Medium

Changes that may pay for themselves in over 7 years

Recommendation	Potential impact on carbon emissions
Some glazing is poorly insulated. Replace/improve glazing and/or frames.	Medium
Consider installing an air source heat pump.	High
Consider installing a ground source heat pump.	High

Recommendation	Potential impact on carbon emissions
The default chiller efficiency is chosen. It is recommended that the chiller system be investigated to gain an understanding of its efficiency and possible improvements.	Low
Consider installing solar water heating.	Low

Property and report details

Report issued on	23 September 2024
Total useful floor area	162 square metres
Building environment	Heating and Natural Ventilation
Calculation tool	G-ISBEM Ltd, G-ISBEM, v25.3, SBEM, v6.1.e.0

Assessor's details

Assessor's name	Usman Hussain
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Employer's name	ENERGY EXPERTISE LTD
Employer's address	07939302868
Assessor ID	QUID201051
Assessor's declaration	The assessor is not related to the owner of the property.
Accreditation scheme	Quidos Limited