

Energy performance certificate (EPC) recommendation report

Unit 4B Blacknest Industrial Estate
Blacknest Road
Blacknest
ALTON
GU34 4PX

Report number
8624-7458-8287-1176-6069

Valid until
19 April 2033

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 |
|---|--------------------------------------|
| Replace 38mm diameter (T12) fluorescent tubes on failure with 26mm (T8) tubes. | Medium |
| 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. | High |
| Add local temperature control to the heating system. | Medium |
| Add weather compensation controls to heating system. | Medium |

Changes that may pay for themselves within 3 to 7 years

| Recommendation | Potential impact on carbon emissions |
|--|--------------------------------------|
| 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 |
|---|--------------------------------------|
| Install more efficient water heater. | Medium |
| Consider installing building mounted wind turbine(s). | Low |
| Consider replacing HWS with point of use system. | Medium |
| Consider installing solar water heating. | Low |
| Consider installing PV. | Low |

Property and report details

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|-------------------------|------------------------------------|
| Report issued on | 20 April 2023 |
| Total useful floor area | 1,063 square metres |
| Building environment | Heating and Natural Ventilation |
| Calculation tool | CLG, iSBEM, v6.1.d, SBEM, v6.1.d.0 |

Assessor's details

| | |
|------------------------|---|
| Assessor's name | Ben Thompson |
| Employer's name | |
| Employer's address | |
| Assessor ID | STRO034189 |
| Assessor's declaration | The assessor is not related to the owner of the property. |
| Accreditation scheme | Stroma Certification Ltd |
