

## Energy performance certificate (EPC) recommendation report

WOOLPACK,  
4 MARKET PLACE  
SOUTH HUMBERSIDE,  
BRIGG  
DN20 8HA

Report number  
**5897-9391-1337-2152-0618**

Valid until  
**16 August 2031**

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### Energy rating and EPC

This property's energy rating is C.

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

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## Recommendations

### Changes that may pay for themselves within 3 years

| Recommendation                                                                                                                                                                          | Potential impact on carbon emissions |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Replace tungsten GLS lamps with CFLs: Payback period dependent on hours of use.                                                                                                         | Low                                  |
| Consider replacing T8 lamps with retrofit T5 conversion kit.                                                                                                                            | Low                                  |
| Add time control to heating system.                                                                                                                                                     | Medium                               |
| Add optimum start/stop to the heating system.                                                                                                                                           | Low                                  |
| 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                                  |
| Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.                                                                                      | Low                                  |
| Some walls have uninsulated cavities - introduce cavity wall insulation.                                                                                                                | Medium                               |
| Add local temperature control to the heating system.                                                                                                                                    | Medium                               |

### Changes that may pay for themselves within 3 to 7 years

| Recommendation                                                                                         | Potential impact on carbon emissions |
|--------------------------------------------------------------------------------------------------------|--------------------------------------|
| Add weather compensation controls to heating system.                                                   | Medium                               |
| Some loft spaces are poorly insulated - install/improve insulation.                                    | Medium                               |
| Add local time control to heating system.                                                              | Medium                               |
| Some solid walls are poorly insulated - introduce or improve internal wall insulation.                 | Medium                               |
| Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation. | Medium                               |
| Consider installing an air source heat pump.                                                           | High                                 |

### Changes that may pay for themselves in over 7 years

| Recommendation                                                   | Potential impact on carbon emissions |
|------------------------------------------------------------------|--------------------------------------|
| Consider installing a ground source heat pump.                   | High                                 |
| Roof is poorly insulated. Install or improve insulation of roof. | Medium                               |
| Consider installing building mounted wind turbine(s).            | Low                                  |

| Recommendation                           | Potential impact on carbon emissions |
|------------------------------------------|--------------------------------------|
| Consider installing solar water heating. | Low                                  |
| Consider installing PV.                  | Low                                  |

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## Property and report details

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|-------------------------|------------------------------------------------------------------------|
| Report issued on        | 17 August 2021                                                         |
| Total useful floor area | 480 square metres                                                      |
| Building environment    | Heating and Natural Ventilation                                        |
| Calculation tool        | DesignBuilder Software Ltd, DesignBuilder SBEM, v6.1.8, SBEM, v5.6.b.0 |

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## Assessor's details

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|------------------------|-----------------------------------------------------------|
| Assessor's name        | Alex Purslow                                              |
| Employer's name        | Compliance 365                                            |
| Employer's address     | 6 Mariner Court                                           |
| Assessor ID            | STRO035240                                                |
| Assessor's declaration | The assessor is not related to the owner of the property. |
| Accreditation scheme   | Stroma Certification Ltd                                  |

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