

Table 24a Energy efficiency of occupied dwellings by average SAP rating and by EPC Bands, England

Average SAP rating (out of 100)

| Tenure | 1996 | 2001 | 2005 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 |
|--|------|------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Private sector | | | | | | | | | | | | | | | | | |
| Owner-occupied | 44 | 45 | 48 | 54 | 56 | 57 | 59 | 60 | 60 | 61 | 61 | 62 | 64 | 65 | 66 | 66 | 67 |
| Private rented | 40 | 43 | 46 | 54 | 55 | 57 | 58 | 60 | 60 | 60 | 61 | 62 | 64 | 65 | 65 | 65 | 66 |
| All private sector | 44 | 45 | 48 | 54 | 55 | 57 | 58 | 60 | 60 | 61 | 61 | 62 | 64 | 65 | 66 | 66 | 67 |
| Social sector | | | | | | | | | | | | | | | | | |
| Local authority | - | - | - | 61 | 62 | 64 | 65 | 66 | 66 | 66 | 66 | 68 | 68 | 69 | 70 | 70 | 70 |
| Housing association | - | - | - | 63 | 64 | 65 | 66 | 67 | 68 | 68 | 68 | 69 | 70 | 70 | 70 | 71 | 71 |
| All social sector | 49 | 51 | 56 | 62 | 63 | 65 | 66 | 66 | 67 | 67 | 68 | 68 | 69 | 70 | 70 | 70 | 71 |
| All tenures | 45 | 46 | 49 | 56 | 57 | 59 | 60 | 61 | 62 | 62 | 62 | 63 | 65 | 66 | 66 | 67 | 67 |
| EPC Band (all tenures, percentages in each band) | | | | | | | | | | | | | | | | | |
| Band A/B (81–100) | | - | - | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 4 |
| Band C (69–80) | | 3 | 5 | 12 | 15 | 18 | 22 | 25 | 27 | 28 | 29 | 33 | 38 | 43 | 44 | 45 | 49 |
| Band D (55–68) | | 26 | 34 | 47 | 49 | 51 | 51 | 51 | 50 | 50 | 51 | 49 | 47 | 43 | 43 | 43 | 39 |
| Band E (39–54) | | 47 | 42 | 32 | 28 | 25 | 19 | 17 | 17 | 16 | 14 | 12 | 10 | 8 | 7 | 7 | 6 |
| Band F (21–38) | | 20 | 16 | 8 | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 |
| Band G (1–20) | | 4 | 3 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

Sources: Ministry of Housing, Communities and Local Government (and predecessor departments), English House Condition Survey and from 2008 English Housing Survey (EHS) and Live table DA7101.

Notes: 1. SAP ratings are energy-cost ratings determined by the government's Standard Assessment Procedure. It is an index based on calculated annual space and water-heating costs for a standard heating regime expressed on a scale of 1 (highly inefficient) to 100 (highly efficient).

2. Data for 2006/07 & 2008/09 are based on the SAP05 measure of energy efficiency, 2010/11 and 2012/13 are based on SAP09, whilst data from 2013/14 are based on SAP12.

3. Separate housing association and local authority estimates are not available prior to 2007/8.

4. Enhancements to SAP modelling partly account for the modest rise in average SAP ratings in 2018/19.

5. The EPC Bands are based on SAP 2012 ratings (shown in brackets). SAP is the Standard Assessment Procedure for energy rating of dwellings. The EPC bands range from 'G' (very poor) to 'A' (highly efficient).

6. Figures for 2020/21 and 2021/22 should be treated with caution. The sample excludes vacant dwellings and figures are partly extrapolated from EHS 2019/20 and past trends as the pandemic precluded full internal inspections.