0333 015 1920
office@survey7.co.uk

08.05.2024

Reference Number: SX24-0007

Thermal Bridges List

Address: 51 Mendip Road, Worthing, West Sussex, BN13 2LR

SAP quantifies fabric heat loss by a combination of U-Values and Thermal bridging. U-values are estimated to be responsible for 70-80% of fabric heat loss, with the remaining 20-30% heat loss coming from thermal bridging. Therefore, the details used in these junctions are critical when designing an energy efficient building.

The table below states all the thermal bridges for your site, the source type (bridging design) to be used and the reference code in relation to the attached thermal bridging designs. E.g. E5 – Ground floor, Recognised Construction Detail to be used, reference MFF-150-E5-12 found on the attachments.

Once the dwelling has been built, to enable the as-built SAP report to be created, we will require both written **and** photographic confirmation that the below thermal bridges were actioned on site.

1. **Written confirmation**:
    a. Return each page, signed and dated; And
    b. Provide written confirmation, stating you have read both this sheet, the attached guide, and can confirm this is an accurate representation of what was built on site.
2. **Photographic evidence** of each bridging type stated in the table below (on sites with multiple plots, each plot will need to be photographed separately). The photos for each junction must show the products used (e.g. insulation type) and their thickness. We therefore recommend tape measures are clearly visible in the photos, multiple photos per junction may be necessary.

Junction Location	Bridge Type	Source Type	Reference
External Wall	E1 – Steel lintels with perforated steel base plate	Recognised Construction Details	MFF-150-E1-01
External Wall	E3 – Sill	Recognised Construction Details	MFF-150-E3-01
External Wall	E4 – Jamb	Recognised Construction Details	MFF-150-E4-01
External Wall	E5 – Ground floor (normal)	Recognised Construction Details	MFF-150-E5-12
External Wall	E20 – Exposed floor (normal)	Recognised Construction Details	MFF-150-E20-01
External Wall	E6 – Intermediate floor - within dwelling	Recognised Construction Details	MFF-150-E6-01
External Wall	E10 – Eaves (insulation at ceiling level)	Recognised Construction Details	MFF-150-E10-01
External Wall	E24 – Eaves (insulation at ceiling level – inverted)	Table K1 – Default	N/A
External Wall	E12 – Gable (insulation at ceiling level)	Recognised Construction Details	MFF-150-E12-01
External Wall	E14 – Flat roof	Table K1 – Default	N/A
External Wall	E16 – Corner (normal)	Recognised Construction Details	MFF-150-E16-01

Survey 7 Ltd.
Registered Address: Unit 4, Dragon 24, North Dock, Llanelli, SA15 2LF
Comapny No. 12572068

External Wall	E17 – Corner (inverted)	Recognised Construction Details	MFF-150-E17-01
External Wall	E18 – Party wall between dwellings	Recognised Construction Details	MFF-150-E18-01
Party Wall	P1 – Party wall – Ground floor	Recognised Construction Details	MPW-P1-12
Party Wall	P2 – Party wall – Intermediate floor within dwelling	Table K1 – Default	N/A
Party Wall	P4 – Party wall – Roof (insulation at ceiling level)	Recognised Construction Details	MPW-P4-01
Party Wall	P5 – Party wall – Roof (insulation at rafter level)	Recognised Construction Details	MPW-P5-01
External Roof	R11 – Upstands or kerbs of rooflights	Table K1 – Default	N/A