

LABC Registered Construction Details



In Building Regulation terms, Part L1A 2013 (section 3.9) requires that buildings are constructed so that there are “no reasonably avoidable thermal bridges” at such junctions. It also provides guidance on acceptable sources of Psi-values for inclusion in SAP calculations, these being:

1. To use construction joint details and their attendant Psi-values included in DCLG Approved Construction Details or those formally recognised by DCLG.
2. To use details and Psi-values modelled by a person with suitable expertise and experience, who can demonstrate competence in using the software and in correctly interpreting BR497 guidance.
3. To use in the absence of modelled details the default Psi-values included in SAP 2012 Appendix K.
4. To avoid calculating the energy loss from individual junctions completely by using a conservative energy loss value for the dwelling (a γ -value of 0.15) in the SAP calculation.

Previous Accredited Details have offered an estimated Psi value better than the default value found in SAP 2012 Appendix K. Modelled Psi values offer much greater flexibility in the design.

The recent Zero Carbon Hub “Closing the gap between Design and As Built performance” End of Term Report Appendix E made a number of recommendations including;

To develop a set of up-to-date construction details, as envisaged in Part L1A, aimed at providing a set of best practice details covering the major junctions, systems and building elements (i.e. 80% of energy loss) on masonry, timber and concrete frame construction. These details should take account of the robustness protocols developed in 1b, providing they can be developed within the appropriate timeframe. This should be an industry owned and maintained scheme, with the details listed on a publicly available database, providing technical drawings, additional guidance and other material.

Registered Construction Details are the first step towards achieving this aim.