

architectural BRONZE CASEMENTS

BUILDING REGULATIONS DOCUMENT PART L: THERMAL PERFORMANCE

Approved Document L1A: Conservation of fuel and power (New dwellings) 2010

Notification of work covered by the energy efficiency requirements

In all cases where it is proposed to erect a new dwelling, building regulations require the person proposing to carry out the work to notify a Building Control Body in advance of any work starting. This notification would usually be by way of full plans (or possibly a building notice) given to a local authority, or an initial notice given jointly with the approved inspector. This remains our clients' responsibility as Architectural Bronze Ltd are not currently registered with a competent persons self-certification scheme (FENSA/Certass/Trada). Dependent upon the type of property and nature of the work proposed, planning consent may also be required for works including the replacement of windows and doors.

U-Value requirements for new dwellings

Limiting fabric parameters (U Values for controlled fittings should not exceed)

Windows, roof windows, pedestrian doors	2.0 W/m ² K
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No new dwellings are exempt from the energy efficiency requirements of the Building Regulations.

An architect may have the flexibility to install products that do not meet the above minimum requirements by use of area weighted averages for U values and DER or SAP calculations when designing the building. Details would need approval by a Building Control Body to ensure overall compliance with Building Regulations.

U-Value requirements for existing dwellings

Replacement windows will need to meet the thermal insulation requirements of the regulations. These require minimum performance values of:

Replacement windows to be WER band C or higher	1.6 W/m ² K
Doors with 50% glazing or less	1.8 W/m ² K
All other doors	1.8 W/m ² K

In some cases it may be permissible to use glazing units which do not meet the above specifications, to do so you would have to submit calculations to prove that the overall insulation requirements of the regulations would still be met. This may be possible if other insulation measures are undertaken at the same time as the window replacement - for example; installing cavity wall insulation or "topping up" loft insulation. We would strongly advise you get any such calculations checked by the building control officer well before the replacement windows are installed, so that expensive mistakes can be avoided.

Thermal Bridges

The building fabric should be constructed so that there are no reasonably avoidable thermal bridges. Your Building Control Body should be made aware of the thermal properties of non-thermally broken window and door systems and approval sought for their use in a project.