

Guide to Building Regulations

DOCUMENT L, CONSERVATION of FUEL and POWER

Change: 15th June 2022 (Replacing Document L 2010)

Volume 1: Dwellings

L1(a): New Build / Extensions to Existing Dwellings:

Note: New Document L Regulations do not apply to work subject to a building notice, full plans application or initial notice submitted before 15th June 2022 as long as work commences before 15th June 2023

Notional Values - these are used to calculate the **Target Emission Rate** of a particular building. Once this is calculated, elements of the building can be offset providing the overall Target Emission Rate is met.

The Limiting Values - are the maximum possible u values for each element of the build

Notional Values as shown in Document L1(a): Table 1.1 - Volume 1

| Description | Target Notional U Value |
|--------------------------------|--|
| Windows | 1.2 W/m ² K (2010 1.4 W/m ² K) |
| Doors with more than 60% glass | 1.2 W/m ² K (2010 1.4 W/m ² K) |
| Other Doors | 1.0 W/m ² K (2010 1.0 W/m ² K) |

The Limiting Values as shown in Document L1(a): Table 4.1 - Volume 1

| Description | Maximum Limiting U Value |
|-------------|--|
| Windows | 1.6 W/m ² K (2010 2.0 W/m ² K) |
| Doors | 1.6 W/m ² K (2010 2.0 W/m ² K) |
| Rooflights | 2.2 W/m ² K (2010 2.0 W/m ² K) |

L1(a): Existing Dwellings:

U Values, Window Energy Ratings (WER) and Doorset Energy Ratings (DSER) of replacement windows and doorsets must be both:

- No worse than that of the existing element being removed/replaced
- Meet the standards in Table 4.2 as below (lowest specification of U-Value or WER/DSER allowable)

The Limiting Values as shown in Document L1(a): Table 4.2 - Volume 1

| Description | Maximum Limiting U-Value | WER/DSER |
|--------------------------------|--|------------|
| Windows | 1.4 W/m ² K (2010 1.6 W/m ² K) | B (2010 C) |
| Doors with more than 60% glass | 1.4 W/m ² K (2010 1.8 W/m ² K) | C (2010 E) |
| Other Doors | 1.4 W/m ² K (2010 1.8 W/m ² K) | B (2010 E) |
| Rooflights | 2.2 W/m ² K (2010 1.6 W/m ² K) | |



Volume 2: Buildings other than dwellings

New Commercial/ Extensions to Commercial Buildings (new or replacement elements)

Notional Values Document L - Volume 2

| Description | Target Notional U Value |
|-------------|--|
| Windows | 1.6 W/m ² K (2010 1.4 W/m ² K) |
| Doors | 2.2 W/m ² K (2010 1.9 W/m ² K) |

Limiting Values Document L - Volume 2

| Description | Maximum Limiting U Value |
|-------------------------|--|
| Windows / Doors | 1.6 W/m ² K (2010 2.2 W/m ² K) |
| Rooflights | 2.2 W/m ² K (2010 2.2 W/m ² K) |
| High Use Entrance Doors | 3.0 W/m ² K (2010 3.5 W/m ² K) |

Existing Commercial Buildings (renovated and retained elements)

Limiting Values Document L - Volume 2

| Description | Maximum Limiting U Value |
|---|--|
| Windows in Buildings Similar to Dwellings | 1.6 W/m ² K (2010 2.2 W/m ² K) |
| Windows, Doors and Roof Windows | 1.6 W/m ² K (2010 1.8 W/m ² K) |
| Rooflight | 2.2 W/m ² K (2010 1.8 W/m ² K) |
| High Use Entrance Doors | 3.0 W/m ² K (2010 3.5 W/m ² K) |

How to Comply

The u-value of the window or door should be assessed using one of the following methods:

- Calculated using the actual size and configuration of the specific window or door
- Calculated as a system based on the GGF approved **standard** sizes and configurations for windows and doors
- To enable greater flexibility, calculated as a system based the GGF approved **extended** sizes and configurations for windows and doors

