

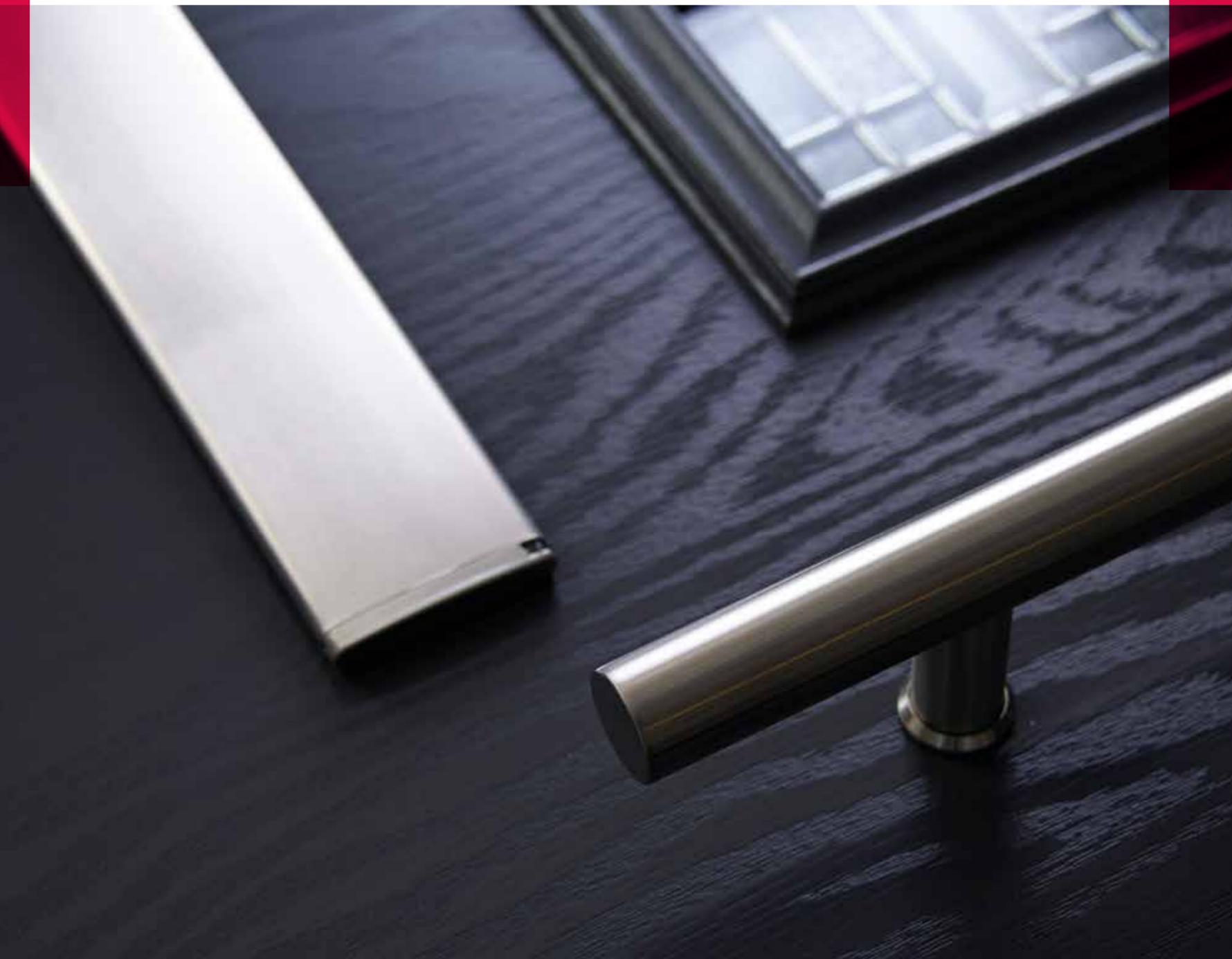
Building Regulations (England)

APPROVED DOCUMENT L



NEW PART L BUILDING REGULATIONS.

Install with confidence.



In the shift towards a Future Buildings Standard, the Government has introduced a range of changes to the Building Regulations, including a mandatory 30 per cent cut in carbon for all new homes and a 27 per cent cut for other buildings, including offices and shops†.

With the impact of climate change and the increase in urbanisation, we now not only need to ensure the homes of the UK are warm, energy efficient and provide exceptional thermal performance, but that they are also well ventilated for cleaner, cooler air.

Changes to Part L of the Building Regulations in England are coming into play on the 15th June 2022, to ensure all new and renovation projects are on-spec for thermal efficiency, energy efficiency and ventilation capability.

†Source: RIBA J. ribaj.com / January 2022



What this means to you,
THE INSTALLER.

The information we have provided within this document **will help you understand** what is required to be compliant with the new Regulations.



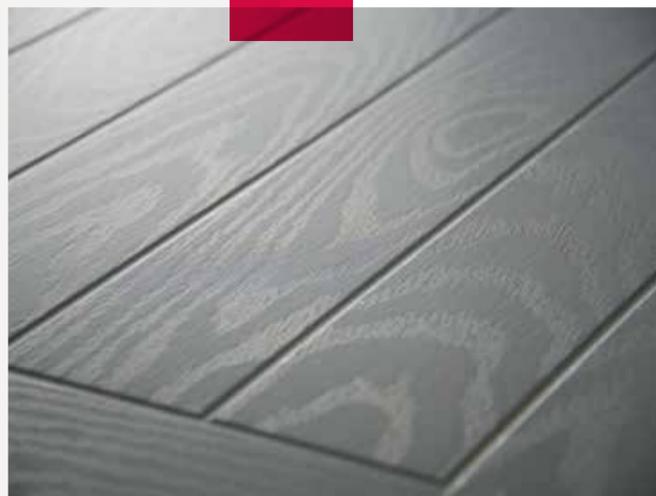
Approved Document L will outline the criteria required for domestic, non-domestic, new-build and renovation projects. Part L focuses on the energy efficiency levels and the thermal performance of the building, set to reduce the impact on fuel usage. **Therefore, when installing windows and doors, you will need to ensure they perform to the new specifications.**

Our doors are obviously a key part of compliance to the new Regulations, so if you have any queries regarding design, our products or even the Regulations themselves, our Customer Service, Sales or Technical Teams are always here to help.

What we've done to meet the new Regulations.

At Virtuoso we are proud to be a responsible manufacturer. All our composite doors are manufactured to the highest quality standard making them more thermally efficient by design, achieving the new Part L Building Regulations for England as set by the Government. The warm foam core allows the door to have a significantly better energy rating than some other options. Carefully crafted glass designs are supplied with a warm edge, are Argon filled, have a Soft Coat and are available in both double or triple glazed solutions.

Virtuoso doors can achieve an energy rating of A and a 'U' value of between 1.1 and 1.4 depending on the door style.



AD L: Energy Efficiency - NEW DWELLINGS

The Notional dwelling 'U' Values for Windows and Doors are laid out in Table 1.1 of the Approved Document L.

The notional method enables Architects to trade off 'U' values against other materials in the dwelling as long as they are within the limiting 'U' values.

Table 1.1 from Doc L

DESCRIPTION	'U' VALUE
Windows	1.2 W/m ² K
Doors with glazed area greater than 60%	1.2 W/m ² K
Other doors	1.0 W/m ² K

The lowest specification 'U' Value allowable referred to as the Limiting 'U' Values are shown in Table 4.1.

Table 4.1 from Doc L

DESCRIPTION	'U' VALUE
Windows	1.6 W/m ² K
Doors	1.6 W/m ² K

AD L: Energy Efficiency - EXISTING DWELLINGS

3.2 'U' Values, Window Energy Ratings (WER) and doorset energy ratings (DSER) of replacement windows and doors must be both:

- No worse than that of the element being replaced
- Meet the limiting standards in Table 4.2 (Lowest specification of 'U' Value or WER/DSER allowable)

Table 4.2 from Doc L

DESCRIPTION	'U' VALUE	WER/DSER
Windows	1.4 W/m ² K	B
Doors with glazed area a greater than 60%	1.4 W/m ² K	C
Other doors	1.4 W/m ² K	B

'U' Values, Any windows and doors replaced will need to be at least the level of performance detailed in Table 4.2 above.

VIRTUOSO

DOORS

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