

PVC-U and Aluminium Systems

What you need to know about Part L

PART L 2022 COMPLIANT



EpwinTM
window systems

Part L Compliant

The new Part L of Building Regulations: Conservation of fuel and power – what you need to know

Optima PVC-U
Window & Door System

Spectus PVC-U
Window & Door System

Flush Casement PVC-U
Window System



Q What is Part L?

A Part L is a building regulation that concerns construction projects that are new, or result in the change of use of a dwelling or all other buildings in England. It sets the standards for the energy performance and carbon emissions of new and existing buildings.

Q Why is Part L changing?

A The new Part L is the first uplift on the road to meeting the government's Future Homes Standard. This will require new build homes to be future-proofed with low carbon heating and world-leading levels of energy efficiency by 2025.

Q When does the new Part L come into force?

A The new Part L comes into force on 15th June 2022 in England. All installations (except exemptions below) after this date will need to comply. Changes to Building Regulations in Scotland, Wales, & Northern Ireland, and dates for compliance, are yet to be confirmed.

Q Where does the new Part L apply?

A There are 2 parts to the new Part L. Each one covers a different type of building:

- ADL Volume 1: Dwellings
- ADL Volume 2: Buildings other than dwellings

Both new build & replacement are covered in each volume

It does not apply to work subject to a building notice, full plans application or initial notice submitted before 15 June 2022, as long as work starts on site before 15 June 2023.

The regulations apply in England only.

Q What does the new Part L say?

A The new Part L gives the following U values for doors and windows.

New dwellings	Element	U values W/(m ² K) Notional*	U values W/(m ² K) Limiting#
	Window	1.2	1.6
	Opaque Door (less than 30% glazed area)	1.0	1.6
	Semi glazed Door (30-60% glazed area)"	1.0	1.6
	Glazed Door (greater than 60% glazed area)	1.2	1.6

For New Dwellings

* The 'notional building specification' is a recipe approach that will ensure compliance if all standards are met.

'Limiting U-values' are the worst acceptable level of performance, but designing to these values is unlikely to result in compliance.

Flush Tilt & Turn PVC-U Window System

Vertical Sliding Sash PVC-U Window System

Fully Reversible PVC-U Window System

Stellar Aluminium Window and Door System

Patiomaster PVC-U Inline Sliding Door System

Composite Door Frame PVC-U System



Existing dwellings

Element	U values W/(m ² K) Notional*	U values W/(m ² K) Limiting [#]
Window	N/A	1.4 (or Window Energy Rating Band B minimum)
Doors with more than 60% of internal face glazed	N/A	1.4 (or Doorset Energy Rating Band C minimum)
Other Doors	N/A	1.4 (or Doorset Energy Rating Band B minimum)

For Existing Dwellings and other Buildings

[#] 'Limiting U-values' are the requirement

Buildings other than dwellings

Element	U values W/(m ² K) Notional*	U values W/(m ² K) Limiting [#]
Windows in buildings similar to dwellings	N/A	1.6 (or Window Energy Rating Band B minimum)
All other windows, roof windows, curtain walling	N/A	1.6
Pedestrian Door including glazed doors.	N/A	1.6

It is important to note that the way window U values are calculated has become more demanding as part of these new regulations.

U values must now be calculated as set out in the Glass and Glazing Federation's Glazing Manual Data Sheet 2.3, Guide to the Calculation of Energy Ratings for Windows, Roof Windows and Doors. The BS EN 14351 sample size of 1230w x 1480h can no longer be a single opener but must now be an opening light next to a fixed light with central divider.

It is harder to achieve a U value on this window than on a CEN standard window. This is because the CEN standard window doesn't have a mullion, which increases the glazed area and makes it easier to achieve a better U value.

Q How do Epwin Window Systems products comply?

A All Epwin Window Systems products meet or exceed the new Part L requirements as standard.

System	Part L Compliant
Optima PVC-U Window & Door System	✓
Spectus PVC-U Window & Door System	✓
PatioMaster PVC-U Inline Sliding Door System	✓
Flush Casement PVC-U Window System	✓
Flush Tilt & Turn PVC-U Window System	✓
Vertical Sliding Sash PVC-U Window System	✓
Fully Reversible PVC-U Window System	✓
Stellar Aluminium Window & Door System	✓

Q How do I know I comply?

A Our BSI AND BFRC accredited thermal efficiency calculator “U Comply N”, allows you to calculate the exact U value & WER of your windows and doors based on the components you use. * Selected systems only



accredited by



[Click here to log in to U Comply N in Connect](#)

Q Is there anything else we need to know?

A The government intends to introduce further revisions to Part L by 2025 to achieve the Future Homes Standard. These will reduce U values even further.

Epwin Window Systems has been leading the way in the industry for nearly 50 years. It's why all our products are ready for the introduction of the new Part L on 15 June 2022. It's also why they will be ready for any future regulations too.

Find out more

This explainer introduces and summarises the new requirements. You should familiarise yourself with the new requirements in full. They are available on the government's Planning Portal website:

<https://www.gov.uk/government/collections/approved-documents>

Issue 2 - information contained in this document is correct at 20/4/22.



EpwinTM
window systems

The true British systems company



Epwin Window Systems is an international PVC-U profile system supplied to local independent manufacturers and installers who contract to install windows, doors and conservatories. Epwin Window Systems cannot be held accountable for manufacture or installation by independent companies. All information in this publication is provided for guidance only and is given in good faith. As it is company policy to continually improve products, methods and materials, changes of specification may be made from time to time without prior notice. This statement does not affect your statutory rights. © Epwin Window Systems. Part of the Epwin Group Plc. EWS/17636