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Navigating the Future Homes Standard: Part L for New Build (Energy Efficiency)

A Quick Guide for:
Architects | Surveyors | Specifiers

www.rehau.com/uk-en/intheframe
enquiries@rehau.com
Tel: 01989 762600

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On 27 June 2019, the UK became the first major economy in the world to set its net zero greenhouse gas emissions target in law.

To achieve this by 2050, updates to Part L and F of the building regulations come into force as of 15 June 2022.

Naturally the pace of change and ongoing debate around this has caused much disruption among the construction sector. In response, REHAU has developed this simple fact sheet as a reliable aid.

Targets You Need to Know – Introduction 15th June 2022

The notional dwelling 'U' Values for Windows and Doors:

Description	Target
Window U Value	1.2W/m ² K
Doors with glazed area greater than 60%	1.2W/m ² K
Other doors U Value	1.0W/m ² K

The lowest specification 'U' Value allowable referred to as the Limiting 'U' Values:

Description	Target
Window U Value	1.6W/m ² K
Door U Value	1.6W/m ² K

NOTE: Windows and doors installed into new build projects, are required to be sealed with membranes and or EPDM products which improve air tightness. These are to be applied to the window / door and sealed back to the substrate of the building to the manufacturer's instructions. Compressible seals or gun sealant may be used to supplement taping.

Future-proof your designs with high-performance uPVC

With growing pressure on developers to select products capable of maximising the performance of the buildings they work on; windows are now being looked to for those marginal gains. Of the various materials available, polymer has risen in popularity as the specifier's choice in recent years due to the pace of innovation.

The REHAU TOTAL70 window and door system has long exceeded the relevant Building Regulations. Next is an outline of the latest REHAU FENSA (Fenestration Self-Assessment Scheme) confirmed calculations in line with the latest uplift:

System with fully reinforced profiles	Target U-Value	IGU Centre Pane Required
T70c Casement window system	1.2 W/m ² K	1.0W/m ² K
T70 Tilt and Turn Window	1.2W/m ² K	1.0W/m ² K
T70R Top Swing Reversible Window	1.2W/m ² K	1.0W/m ² K
RIO Flush Casement window	1.2W/m ² K	1.0W/m ² K
REHAU Heritage Sliding sash window	1.2W/m ² K	
*Please note Heritage will require specialist glazing to achieve this please speak to our commercial team.		
Residential Door T70c glazed area over 60%	1.2W/m ² K	1.0W/m ² K
Residential Door others	1.0W/m ² K	1.0W/m ² K
French Door T70c glazed area over 60%	1.2W/m ² K	1.0W/m ² K
French Door T70c	1.0 W/m ² K	1.0W/m ² K
AGILA Sliding Patio door	1.0 W/m ² K	1.0W/m ² K

Timeline of Changes

- 15 June 2022 – Initial updated Part L & F Regulations come into force
- Spring 2023 – Technical consultation on the proposed specification of the Future Homes standard
- 2024 – Part L Homes Standard Regulations Completed – Target Value 0.8 W/m²k
- 2025 – Part L Future Homes Standard Regulations come into force

- New homes built from 2022 will produce 31% less carbon emissions
- New homes built from 2025 will produce 75-80% less carbon emissions

Need more information?

REHAU's commercial technical team is ready to answer any design questions you may have, as well as supporting your specification process. Why not book a *free CPD to ensure your specification team are compliant and understand the new compliance requirements for windows and doors. T&C's apply.



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Hill Court, Walford,
Ross-on-Wye, HR9 5QN

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