

REHAU PART L

REHAU confirms that windows made from REHAU PVC-U systems comply with the minimum requirements of Part L edition 2010 for existing dwellings, when glazed with the appropriate glass.

According to Part L regulation, the requirements for work on windows in existing buildings are met when:

APPLICATION	REQUIREMENT	REHAU SYSTEM		DOUBLE GLAZED UNIT REQUIRED	
				U _{glazing} VALUE	
				WARM EDGE Ψ0.04	METAL Ψ0.06
REPLACE- MENT OR EXTENSIONS IN EXISTING DWELLINGS	U _{window} VALUE 1.6 W/m ² K	REHAU TRITEC 60MM	FULLY REINFORCED	1.4 W/m ² K	1.2 W/m ² K
			STANDARD REINFORCED	1.5 W/m ² K	1.3 W/m ² K
			UN-REINFORCED	1.5 W/m ² K	1.3 W/m ² K
		REHAU S706 & EDGE 70MM	FULLY REINFORCED	1.4 W/m ² K	1.2 W/m ² K
			STANDARD REINFORCED	1.5 W/m ² K	1.3 W/m ² K
			UN-REINFORCED	1.5 W/m ² K	1.3 W/m ² K
			THERMAL SLEEVE REINFORCED	1.5 W/m ² K	1.3 W/m ² K
			THERMAL SLEEVE UN-REINFORCED	1.6 W/m ² K	1.4 W/m ² K
		REHAU HERITAGE	FULLY REINFORCED	1.3 W/m ² K	1.1 W/m ² K
			STANDARD REINFORCED	1.4 W/m ² K	1.2 W/m ² K
	U _{door} VALUE 1.8 W/m ² K	REHAU TRITEC 60MM OR S706, REHAU EDGE 70MM		1.7 W/m ² K (OR PANEL)	1.6 W/m ² K (OR PANEL)
	WER BAND C	REHAU TRITEC 60MM OR S706, REHAU EDGE 70MM, REHAU HERITAGE		CONSULT REHAU FOR DETAILS	
	CENTRE PANE U-VALUE 1.2 W/m ² K (SEE PART L DOCUMENT FOR DETAILS)	REHAU TRITEC 60MM OR S706, REHAU EDGE 70MM, REHAU HERITAGE		U _{glazing} VALUE 1.2 W/m ² K	

All window values are based on the standard casement window (BS EN 14351), fixed beside opening light 1.23m wide by 1.48m high or on a vertical sliding window 1.23m wide by 1.48m high.

Door values are based on BS EN 14351 - Residential door at 1.23m wide by 2.18m high with a midrail and French/Patio doors at 2m wide by 2.18m high.

For calculation, the linear thermal transmittance has been taken from EN ISO 10077-1:2000 table, E1 metal spacer - 0.06 W/mK and by calculation in accordance to EN ISO 10077-2, warm edge spacer - 0.04 W/mK.

The table shows values for worst case frame to sash profile combination and can be improved by choosing different combinations. Double glazed units with U_{glazing} Values as per the table are readily available on the market. Consult REHAU for further technical advice.

Exceptions are made for work undertaken in connection with buildings with special historic or architectural value. Please refer to the building regulations and English Heritage guidance notes for further details.

In this case, suppliers of finished windows and glazed doors made from REHAU systems only need certified proof that the glass units meet the requirement.

A Completion Certificate from your Local Authority Building Control or from FENSA is required as 'proof' of compliance with Document L: Building Regulations.

Our verbal and written application engineering advice is based upon experience and the best of our knowledge. However, it is to be regarded as non-binding information. Working conditions and use under conditions for which the product was not intended and over which we have no influence exclude any claim resulting from our information. We recommend that a check is made as to whether the REHAU product is suitable for the envisaged purpose. Application, use and processing of the products is carried out beyond the scope of our control and are therefore carried out exclusively at your own responsibility. If liability should still apply, then this is restricted, in the case of all damage, the value of the goods supplied by us and used by you.

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