Great Home: History of maximum U-values in Building Regulations / Approved Documents

	The Bulding Regulations 1972	The Building Regulations 1976	The Building (Second Amendment) Regulations 1981	The Building Regulations 1991	The Building Regulations 1991	The Building Regulations 2000	The Building Regulations 2000	The Building Regulations 2000	The Building Regulations 2010	The Building Regulations 2010
Can be found in	Part F	Part F	Part F	Approved Document L	Approved Document L	Approved Document L1	Approved Document L1A	Approved Document L1A	Approved Document L1A	Approved Document L1A
Year available	1972	1976	1981	1992	1995	2002	2006	2010	2013	2016
Compliance by	U-value *	U-value *	U-value *	U-value	U-value	U-value	U-value	U-value	U-value	U-value
Or	Specification *	Specification *	Specification *							
Measured By	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Area Weighted [6]	Limiting Fabric [9]	CNDS [10]	CNDS
External Walls	1.7	1	0.6	0.45	0.45	0.35	0.35	0.3	0.18	0.18
Floors	1.42 [1]	1 [1]	0.6	0.45	0.45	0.25	0.25	0.25	0.13	0.13
Roof	1.42	0.6	0.35	0.25	0.25 [5]	0.25	0.25	0.2	0.13	0.13
Windows	N/a [2]	5.7	5.7 [3]	5.7 [4]	3.3 [5]	2.2	2.2	2	1.4	1.4
Doors	N/a [2]	5.7	5.7 [3]	5.7 [4]	3.3 [5]	2.2	2.2	2.2	1.4	1.4
TER measured by [7]							SAP 2005 [7]	SAP2009	SAP2012	SAP2012
Pressure testing							10 [8]	10	5	5

* Regulation can be deemed to be satisfied if constructed in line with a specification provided in schedule 11 which lists specific build details/materials

1. Applies to suspended floors only.

2. No value provided.

3. Depends on ratio of window/door to wall area being less than 12%. If greater then this can be compensated by switching some windows to double/triple glazed

4: Ratio of window/door/rooflight to wall area not to exceed 15% if single glazing to be used

5. To achieve an SAP of over 60

6: The concept of an area weighted average U-value was introduced. Eg part of an external wall could have a higher U-value value, provided the average was met overall

7: A Target CO_2 Emissions Rate (TER) is calculated using SAP (Standard Assessment Procedure) for energy rating of dwellings for a notional building. The designed building's DER (Dwelling CO_2 Emission Rate) must be lower than the TER. Use of individual maximum U-values will cause a fail.

8: Reasonable limit for the design air permeability in m3/h.m2 at 50 Pa

9: The concept of Limiting Fabric parameters was introduced, which specified a maximum U-value for each element. However use of all these maximum permissable values would result in a failure to meet TER

10: CNDS (Concurrent Notional Dwelling Specification). This is a collection of U-values which together should enable the dwelling to meet the TER calculated by SAP2012. The Limiting fabric figures remained unchanged from 2010

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