

## Guidance Documents

England (effective April 2013) & Northern Ireland							Wales (effective July 2014)							Scotland (effective Oct 2015)											
Fabric Element	New buildings			Existing buildings			Notional Building (heated & natural ventilation)	Notional Building (mech. ventilated & cooled)	Notional Building (top-lit)	Backstop value	Extensions	Renovation	Notional Building (heated & natural ventilation)	Notional Building (mech. ventilated & cooled)	Notional Building (top-lit)	Backstop value	Extensions (domestic in character)	Extensions (other than domestic in character)	Renovation	Notional Building (heated & natural ventilation)	Notional Building (mech. ventilated & cooled)	Backstop value - area weighted	Backstop value - area weighted (shell only)	Extensions	Renovation
	Notional Building (heated & natural ventilation)	Notional Building (mech. ventilated & cooled)	Notional Building (top-lit)	Backstop value	Extensions	Renovation																			
Pitched roof U value (Insulated at ceiling)	0.18	0.18	0.18	0.25	0.16	0.16	0.18	0.18	0.18	0.25	0.15	0.15	0.16	0.18	0.18	0.25	0.20	0.15	0.15	0.25					
Pitched roof U value (Insulated at rafter)	0.18	0.18	0.18	0.25	0.18	0.18	0.18	0.18	0.18	0.25	0.15	0.18	0.18	0.18	0.18	0.25	0.20	0.20	0.15	0.25					
Flat roof U value	0.18	0.18	0.18	0.25	0.18	0.18	0.18	0.18	0.18	0.25	0.15	0.18	0.18	0.18	0.18	0.25	0.20	0.20	0.15	0.25					
Wall U value	0.26	0.26	0.26	0.35	0.28	0.30/0.55	0.26	0.26	0.26	0.35	0.21	0.26	0.30/0.55	0.22	0.22	0.22	0.25	0.18	0.22	0.25					
Floor U-value	0.22	0.22	0.22	0.25	0.22	0.25	0.22	0.22	0.22	0.25	0.18	0.22	0.25	0.22	0.22	0.25	0.20	0.20	0.25						
Rooflight U value (Frame Factor %)			1.8 (15)	2.2 (15)	1.8 (15)	1.8 (15)				1.8 (15)	2.2 (15)	1.8 (15)	1.8 (15)				1.8 (15)	2.0 (15)	1.6 (15)	1.6 (15)					
Rooflight G value (%)			55							55								52	52						
Rooflight transmittance (%)			60							60								57	57						
Window U value (Frame Factor %)	1.6 (10)	1.6 (10)		2.2 (10)	1.8 (10)	1.8 (10)	1.6 (10)	1.6 (10)	1.8 (10)	2.2 (10)	1.6 (10)	1.8 (10)	1.6 / 1.8 (10)	40	40		71	71	2.2	2.2					
Window G value (%)	40	40									40	40						71	71	2.2	2.2				
Window transmittance (%)	71	71									71	71						71	71	1.5	1.5				
Pedestrian door U value				2.2	1.8	1.8					2.2	1.8	1.8	1.8				2.2	2.2	2.0	1.6				
High usage door U value				3.5	3.5	3.5					3.5	3.5	3.5	3.5				2.2	2.2	2.0	1.6				
Vehicle access door U value				1.5	1.5	1.5					1.5	1.5	1.5	1.5				1.5	1.5	1.5	1.6				
Other door U value				2.2	1.8	1.8					2.2	1.8	1.8	1.8				2.2	2.2	2.0	1.6				
Air tightness > 10000 m <sup>2</sup> floor area	3	3	3	10			3	5	3	10				5	3	10	7								
Air tightness 3500 - 10000 m <sup>2</sup> floor area	3	3	5	10			3	5	5	10				5	3	10	7								
Air tightness 250 - 3500 m <sup>2</sup> floor area	3	3	7	10			3	5	7	10				5	3	10	7								
Air tightness < 250 m <sup>2</sup> floor area	5	5	7	10			5	5	7	10				5	3	10	7								
Lighting efficiency (lm/circuit watt)	60	60	60	60			65	65	65	65				60	65	65	65								
Renewable energy contribution (PV based)											5.3% of floor area									4.5% of floor area					
NOTES	NOTES							NOTES							NOTES										
Air permeability (m <sup>2</sup> /m <sup>3</sup> /hr @ 50 Pa)																									
U value (W/m <sup>2</sup> k)																									

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