

Recommended U-Values – England

	Domestic			Non-Domestic		
	New Build	Existing Buildings		New Build	Existing Buildings	
	Best Starting Point (Fabric Only)	Extension	Refurbishment	Best Starting Point (Fabric Only)	Extension	Refurbishment
Wall	0.16	0.28	0.30 / 0.55 *	0.22	0.28	0.30 / 0.55 *
Floor	0.11	0.22	0.25	0.18	0.22	0.25
Pitched Roof - Ceiling Level	0.11	0.16	0.16	0.14	0.16	0.16
Pitched Roof - Rafter Level	0.11	0.18	0.18	0.14	0.18	0.18
Flat Roof	0.11	0.18	0.18	0.14	0.18	0.18

* A U-value of 0.55 W/m2K is used for cavity insulation and 0.30 W/m2K for internal or external wall insulation.

Recommended U-Values – Wales

	Domestic			Non-Domestic			
	New Build	Existing Buildings		New Build	Existing Buildings		
	Best Starting Point (Fabric Only)	Extension	Refurbishment	Best Starting Point (Fabric Only)	Extension (Domestic in Character)	Extension (Other Buildings)	Refurbishment
Wall	0.16	0.21	0.30 / 0.55 *	0.22	0.21	0.26	0.30 / 0.55 *
Floor	0.11	0.18	0.25	0.18	0.18	0.22	0.25
Pitched Roof - Ceiling Level	0.11	0.15	0.16	0.14	0.15	0.15	0.16
Pitched Roof - Rafter Level	0.11	0.15	0.18	0.14	0.15	0.18	0.18
Flat Roof	0.11	0.15	0.18	0.14	0.15	0.18	0.18

* A U-value of 0.55 W/m2K is used for cavity insulation and 0.30 W/m2K for internal or external wall insulation.

Recommended U-Values – Scotland

	Domestic				Non-Domestic		
	New Build	Existing Buildings			New Build	Existing Buildings	
	Best Starting Point (Fabric Only)	Extension & Refurbishment *		Conversion of Heated Buildings	Best Starting Point (Fabric Only)	Refurbishment, Extension & Conversion of Unheated Buildings	Conversion of Heated Buildings
		A	B				
Wall	0.15	0.17	0.22	0.30	0.18	0.25	0.30
Floor	0.13	0.15	0.18	0.25	0.15	0.20	0.25
Pitched Roof - Ceiling Level	0.10	0.11	0.15	0.25	0.14	0.15	0.25
Pitched Roof - Rafter Level	0.10	0.13	0.18	0.25	0.14	0.15	0.25
Flat Roof	0.10	0.13	0.18	0.25	0.14	0.15	0.25

* Column A is for extensions where the existing dwelling's walls and roof U-values are worse than 0.70 W/mK in the walls and worse than 0.25 W/mK in the ceiling. Column B is for other extensions, upgraded existing thermal elements, non-exempt conservatories and conversion of unheated buildings.