

Europe's MOST comprehensive Multi-foil Insulation Comparison chart (Published 2011)

Product name	Application	SuperQuilt	TLX	R1.9 / Gen-X	Duo	AirFLex	SF19	Triso Super 10
Manufacturer		YBS	Web Dynamics	Kontrol	Kontrol	KDB	Superfoil	Actis
LABC Registered Detail for Building Control purposes	Roof	√	√	x	x	x	x	x
	Wall	√	√	x	x	x	x	x
	Floor	√	x	x	x	x	x	x
Hot Box Tested in accordance with BR443		√	√	√	√	√	X ⁽¹⁾	x
Certificated Thermal Resistance of product and cavitys in accordance with BR443	Roof	2.71	1.69	1.9	2.44	1.09	x	x
	Wall	2.44	1.894	x	x	x	x	x
	Floor	3.75 ⁽³⁾	x	x	x	x	x	x
<u>YBS Superquilt acheives 2010 U-Value requirments with constructions below UK & European online supplier www.ecohome-insulation.com</u>								
0.15 or better - 2 layers plus 20mm PUR	Pitched Roof	√	x ⁽²⁾	x ⁽²⁾	x ⁽²⁾	x ⁽²⁾	x	x
0.18 or better with 2 layers	Pitched Roof	√	x ⁽²⁾	x ⁽²⁾	x ⁽²⁾	x ⁽²⁾	x	x
0.18 or better - 1 layer plus 60mm PUR	Pitched Roof	√	x ⁽²⁾	x ⁽²⁾	x ⁽²⁾	x ⁽²⁾	x	x
0.18 or better -1 layer plus 80mm PUR	Timber Frame Wall	√	x ⁽²⁾	x	x	x	x	x
0.25 or better 1 layer plus 25mm PUR	Timber Frame Wall	√	x ⁽²⁾	x	x	x	x	x
0.27 or better with 1 layer plus a relective breather membrane	Timber Frame Wall	√	x ⁽²⁾	x	x	x	x	x
0.3 or better with 1 layer plus 22mm insulated plasterboard (0.35m²K/W)	Brick & Block Wall	√	x ⁽²⁾	x	x	x	x	x
0.29 or better with 1 layer plus 30mm insulated plasterboard (0.55m²K/W)	Solid Brick Wall	√	x ⁽²⁾	x	x	x	x	x
Research by comparethemultifoil.com found Superquilt to be the Highest Performance Certificated Multi-foil Insulation in Europe								
External Surface Emissivity (Reflectivness)		0.05	0.16	0.17	0.17	0.10	No Ref	No Ref
Made from Insulation Grade Aluminium Foil		√	x	x	x	x	x	x
Surface Spread of flame		√	x	x	x	x	x	x
Flamability Classification		Class E	Class E	Class E	Class E	Class B	Class E ⁽⁴⁾	Class F
Water Vapour Resistance		1569MNsg	1200 MNsg	6000MNsg	6000MNsg	3000MNsg	No Ref	No Ref
Product Dimensions	Thickness	40mm	30mm	33mm	45mm	10mm	38mm	30mm
	Width	1500mm	1200mm	1200mm	1200mm	1200mm	1500mm	1600
	Length	10m	10m	12.5m	10m	12.5m	12.5m	12.5m
	Area	15m²	12m²	15m²	12m²	15m²	18.75m²	20m²
Structure		19 Layers	11 Layers	7 Layers	7 Layers	3 Layers	19 Layers	19 Layers
Market Launch		2003	2007	2007	2007	2008	2006	2003
Superquilt online Orders	(1) Hot Box test available but not in accordance with BR443.							
	(2) Higher levels of additional insulation is required to achieve specified U-Value.							
	(3) Thermal resistance calculated using core resistance and air layers calculated to EN 6946.							
	(4) Class E is achived using a facing layer of 12.5mm plasterboard.							
www.ecohome-insulation.com	*Disclaimer- all information collected from 3rd party correct at time of publish.*							