

Properties	Test Method	Super Quilt	TLX (Thinsulex)	RI.9	Kontrol Duo	GEN-X	AIRFLEX
Manufacturer		YBS Insulation	Web Dynamics	Kontrol	Kontrol	Euroform	KdB Isolation
Composition		NC Foil PE, PET Wadding, Metallised PP, Expanded PE	Metallised Film on non-woven PP PET Wadding Metallised PE	Metallised Film on Polymer Fabric PET Wadding Metallised PE	Metallised Film on Polymer Fabric PET Wadding Metallised PE	Metallised Film on Polymer fabric PET Wadding Metallised PE	Aluminium Bubble foil Polyethylene foam core
Structure		15 layers	11 layers	7 layers	7 layers	7 Layers	5 Layers
Weight	EN 1607	900 g/m ²	700 g/m ²	864 g/m ² BS EN 29073-1 : 1992	1190 g/m ² BS EN 29073-1 : 1992	867 g/m ²	615 g/m ²
Thickness	EN 823	40mm	30mm	33mm	45mm	33mm	10mm
Width	EN 822	1500mm	1200mm	1200mm	1200mm	1200mm	1200mm
Length	EN 822	10m	10m	12.5m	10m	12.5m	12.5m
Yield		15m ²	12m ²	15m ²	12m ²	15m ²	15m ²
Colour		Silver Foil/ White	Silver Foil/ White	Silver Foil/ White	Silver Foil/ White	Silver Foil/ White	Aluminium Silver/ Green Foam
Thermal Resistance of product, air layers and bridging	BS EN 12667 : 2001	2.51m ² K/W Single layer 5.0m ² K/W Double layer EN 12667	1.69m ² K/W BS EN ISO 8990 : 1996	1.9m ² K/W ISO 15099 : 2003	2.44m ² K/W ISO 15099 : 2003	1.9m ² K/W ISO 15099 : 2003	1.09m ² K/W ⁻¹ BS EN ISO 6946 : 1997
Emissivity of Outer Layers		0.05	0.16	0.17	0.17	0.17	0.1
Tensile Strength Parallel to faces	EN 1608	142kPa	No Reference	No Reference	No Reference	No Reference	No Reference
Resistance to tearing	BS EN 12310-1 : 2000	N/A	No Reference	300-450N of each outer foil	300-450N of each outer foil	No Reference	No Reference
Flammability	BS EN ISO 11925-2	Class E	Class E	Class E	Class E	Class E	No Reference
Air Leakage	BS EN 12114 : 2000 with positive pressure of 50 Pa and 100 Pa	N/A	0.19m ³ h ⁻¹ m ⁻² Practically zero respectively	0.1m ³ h ⁻¹ m ⁻² @ 50Pa 0.4m ³ h ⁻¹ m ⁻² @ 100Pa	0.1m ³ h ⁻¹ m ⁻² @ 50Pa 0.4m ³ h ⁻¹ m ⁻² @ 100Pa	0.1m ³ h ⁻¹ m ⁻² @ 50Pa 0.4m ³ h ⁻¹ m ⁻² @ 100Pa	0.6m ³ h ⁻¹ m ⁻² @ 50Pa
Water vapour resistance	BS EN ISO 12572 : 2001	1569 MNs/g	1200 MNs/g ⁻¹	> 6000 MNs/g ⁻¹	> 6000 MNs/g ⁻¹	6000 MNs/g ⁻¹	> 3000 MNs/g ⁻¹
UV Exposure		3months	No Reference	No Reference	No Reference	No Reference	No Reference
Life Expectancy		To that of the roof structure	To that of the roof structure	To that of the roof structure	To that of the roof structure	To that of the roof structure	To that of the roof structure
Timber Treatment Compatible		Yes	No Reference	No Reference	No Reference	No Reference	No Reference
Market Launch		2004	2006	2007	2007	2008	2007
Aggrement Certificate		BDA: 08 - 275 / 276	BBA: 06 / 4379	BBA: 07 / 4477	BBA: 07 / 4477	BBA: 08 / 4543	BBA: 07 / 4503