



This document shows suggested specifications and have been determined with consideration of more realistic scenarios, cost effectiveness and industry standards.

- No large head ventilation
- PVCu Thermal Reinforcement only
- No double coatings on DGU
- No triple coatings on TGU
- 90% Argon (10% Air) only
- 4mm glass only

LOWEST U-VALUE & HIGHEST ENERGY RATING

	U-Value: 0.85 W/m²K	WER: A+ (>10 to 20 Energy Index)
Calculation Method	25% Rule	Standard
Window Suite	EnergyPlus	EnergyPlus
Glazing Flipper	Yes	No
Thermal Dam	Yes	No
Glazing Thickness	40mm (Triple)	36mm (Triple)
External Pane	4mm Float	4mm Float
Cavity	90% Argon (10% Air)	90% Argon (10% Air)
Internal Pane	4mm Optitherm™ S1 Plus 4mm Planitherm® One T FG 4mm Climaguard® 1.0+	4mm K Glass™ S 4mm Planitherm® Total+ FG 4mm Climaguard® A+
Spacer Bar	Multitech (Butyl) or (PU/PS) Multitech G (Butyl) or (PU/PS)	Edgetech Super Spacer® Premium Edgetech TruPlas® (Butyl) or (PU/PS)

Indicated values (U-Value and WER) can be improved further but with the use of 90% Krypton (10% Air) gas.

THERMAL COMPLIANCE - PART L (REPLACEMENT)

	U-Value: $\leq 1.4 \text{ W/m}^2\text{K}$	WER: B (-10 to <0 Energy Index)
Calculation Method	Standard	Standard
Glazing Flipper	No	No
Thermal Dam	No	No
Glazing Thickness	28mm (Double)	28mm (Double)
External Pane	4mm Float	4mm Float
Cavity	90% Argon (10% Air)	90% Argon (10% Air)
Internal Pane	4mm K Glass™ S 4mm Planitherm® Total+ FG 4mm Climaguard® A+	4mm K Glass™ S 4mm Planitherm® Total+ FG 4mm Climaguard® A+
Spacer Bar	Edgetech T-Spacer™ SG (Butyl) or (PU/PS) Edgetech Super Spacer® Premium Edgetech TruPlas® (Butyl) or (PU/PS)	Edgetech T-Spacer™ SG (Butyl) or (PU/PS) Edgetech Super Spacer® Premium Edgetech TruPlas® (Butyl) or (PU/PS)

THERMAL COMPLIANCE - PART L (NEW BUILD)

	U-Value: $\leq 1.6 \text{ W/m}^2\text{K}$
Calculation Method	Standard
Glazing Flipper	No
Thermal Dam	No
Glazing Thickness	28mm (Double)
External Pane	4mm Float
Cavity	90% Argon (10% Air)
Internal Pane	4mm K Glass™ 4mm Planibel G
Spacer Bar	Edgetech T-Spacer™ SG (Butyl) or (PU/PS) Edgetech Super Spacer® Premium Edgetech TruPlas® (Butyl) or (PU/PS)