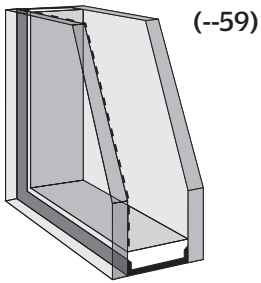


Glazing options

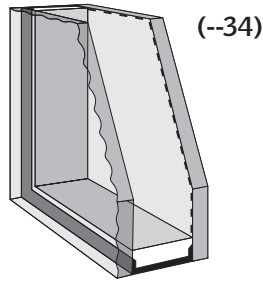
For optimum performance VELUX recommend use of --73 or --60 glazing variants.



(--59)

Standard --59 Pane

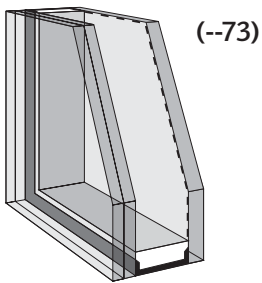
This standard glazing comes with a toughened outer pane. In winter, it reflects 60% of the heat normally lost through glass, back into the room. During the summer, it works in reverse by reflecting excessive heat from the sun to help prevent the room from overheating.



(--34)

--34 Obscure Panes

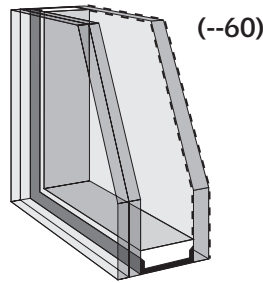
Combines standard glazing with the inner pane obscured. This makes it ideal for bathrooms as it provides privacy without reducing the amount of natural light.



(--73)

--73 Pane

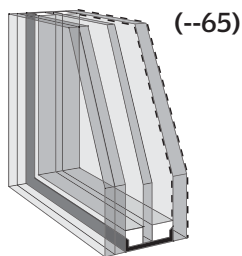
An improved version of our Standard --59 Pane, this glazing comes with a toughened outer and laminated inner pane. This makes it ideal for windows that are positioned above head height. As well as giving you extra protection against breakage, it has improved noise reduction, compared with --59 Pane. It also comes with our clear and clean outer coating, which helps the window stay cleaner for longer. Ideal for high-level applications, which are hard to access.



(--60)

--60 Pane

As with the --73 Pane, it comes with a laminated inner for extra protection. The added benefit of the --60 Pane is that it offers even better energy efficiency and noise reduction. It also comes with our clear and clean outer coating, which helps the window stay cleaner for longer. Ideal for high-level applications, which are hard to access.



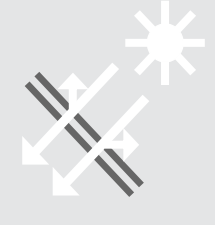
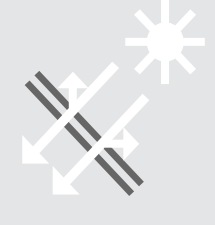
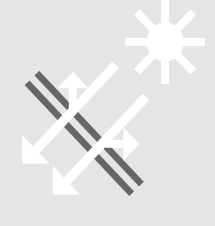
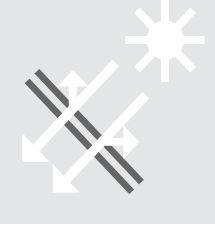
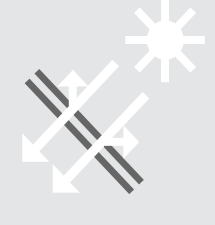
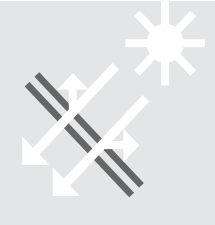
(--65)

--65 Pane

Triple glazed giving the lowest U-value and greater noise reduction. As with the --60 pane, it comes with a laminated inner for extra protection. The --65 pane also comes with our clear and clean outer coating, which helps the window stay cleaner for longer. Ideal for high-level applications, which are hard to access.

We also have additional glazing options, which are available for special requests.

Technical specifications

Code	Use	Construction	Technical data
--59	Strength Low-energy	<ul style="list-style-type: none"> • 4 mm float glass with Low-E coating • 16 mm gas-filled cavity • 4 mm tempered glass 	$U_g = 1.1 \text{ W/m}^2\text{K}$ $\tau_v = 0.77$ $g = 0.60$ 
--59 (GVA-GVT)	Strength Low-energy	<ul style="list-style-type: none"> • 3 mm float glass with Low-E coating • 10 mm gas-filled cavity • 3 mm tempered glass 	$U_g = 1.5 \text{ W/m}^2\text{K}$ $\tau_v = 0.80$ $g = 0.62$ 
--34	Strength Low-energy Privacy	<ul style="list-style-type: none"> • 4 mm translucent obscure • 16 mm gas-filled cavity • 4 mm tempered glass with Low-E coating 	$U_g = 1.1 \text{ W/m}^2\text{K}$ $\tau_v = 0.75$ $g = 0.54$ 
--73	Sound insulation Safety Low-energy Strength Clear and clean coating – outer pane	<ul style="list-style-type: none"> • 2x3 mm laminated float glass • 14 mm gas-filled cavity • 4 mm tempered glass with Low-E and clear and clean coatings 	$U_g = 1.1 \text{ W/m}^2\text{K}$ $\tau_v = 0.77$ $g = 0.54$ 
--60	Sound insulation Safety Low-energy Strength Clear and clean coating – outer pane Greater noise reduction	<ul style="list-style-type: none"> • 2x3 mm laminated float glass • 12 mm gas-filled cavity • 6 mm tempered glass with Low-E and clear and clean coatings 	$U_g = 1.0 \text{ W/m}^2\text{K}$ $\tau_v = 0.62$ $g = 0.29$ 
--65	Triple glazing Sound insulation Safety Low-energy Strength Clear and clean coating – outer pane Lowest U-value	<ul style="list-style-type: none"> • 2x2 mm laminated float glass • 10 mm krypton-filled cavity • 4 mm toughened glass with Low-E coating • 10 mm krypton-filled cavity • 4 mm tempered glass with Low-E and clear and clean coatings 	$U_g = 0.5 \text{ W/m}^2\text{K}$ $\tau_v = 0.67$ $g = 0.45$ 

Construction of pane is described as: inner pane, cavity, outer pane.

Construction of pane is described as: inner pane, cavity, middle pane, cavity, outer pane.

U-values are for pane only. See section 3 for complete window U-values.
All panes are AA fire rated.