

# VELUX Positions and Installation

To be used in conjunction with Velux EDL flashing kit (NOT supplied by Ultraframe).

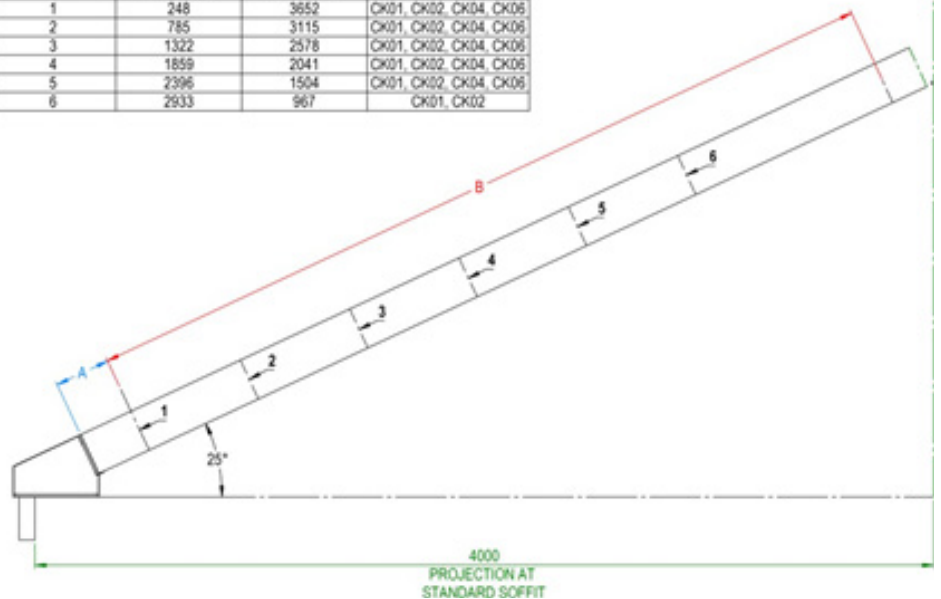
We have configured the placement of VELUX roof lights within our Ultrarroof system for optimum aesthetics and performance.

VELUX are positioned relative to the tiles. An example of these position and applicable roof light options can be seen in the below illustration and accompanying table.

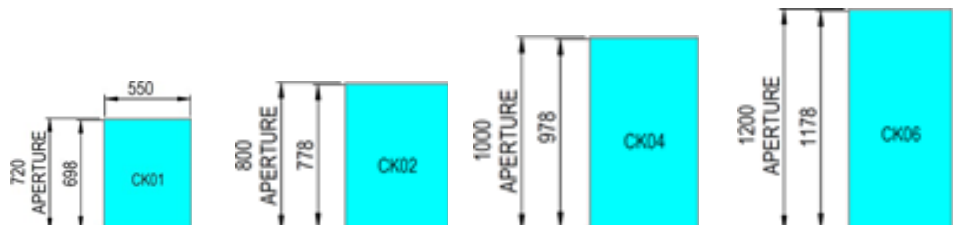
## Vent options



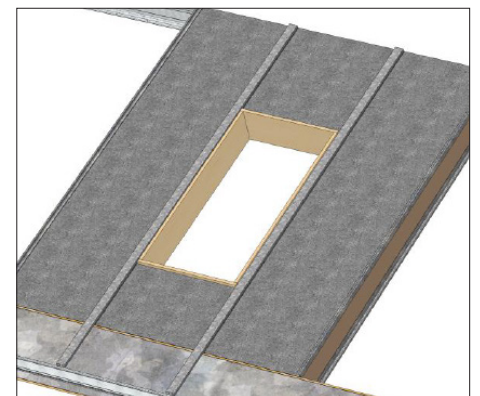
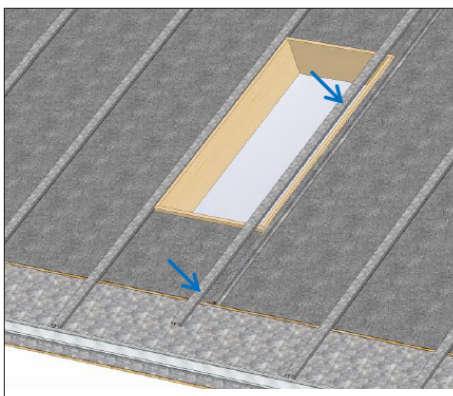
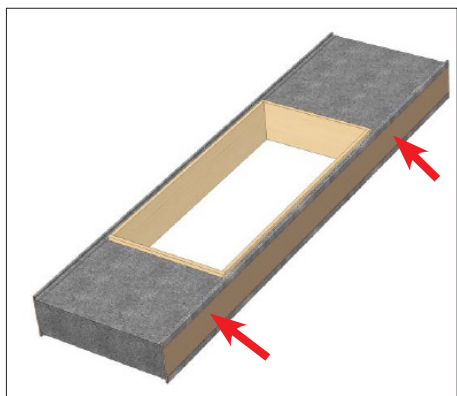
VENT POSITION	"A" - DISTANCE FROM BEAM TO APERTURE	"B" - MAXIMUM ALLOWABLE APERTURE	VENT OPTIONS
1	248	3652	CK01, CK02, CK04, CK06
2	785	3115	CK01, CK02, CK04, CK06
3	1322	2578	CK01, CK02, CK04, CK06
4	1859	2041	CK01, CK02, CK04, CK06
5	2396	1504	CK01, CK02, CK04, CK06
6	2933	967	CK01, CK02



The above illustration (and those overleaf) show indicative positions and vent options available at various projections on an example 25° roof. **Note: If tapered box gutter above beam, vent position 2 is the first available option.**



## VELUX Positions and Installation



The new VELUX panel is constructed in the same way as a standard panel.

**The panel will have a location label on the side and with a letter T for Top and B for Bottom.**

Please ensure this is installed the correct way round otherwise the hole position will be in the wrong place.

Ensuring that the VELUX panel is correctly positioned and square, fully install the adjacent panels, including internal and external clips, to fix the VELUX in position.

As previously described, fit the external panel clips followed by the internal clips. **Note: full clips should be fitted adjacent to VELUX as per standard panel.**

# VELUX Positions and Installation



1  
After fitting the OSB external panels, drill marking holes from the inside of the roof. NOTE: ensure that the panels above & below the Velux opening are in the correct position see previous page.



2  
Using the marking holes as a guide, cut out the aperture for the VELUX frame



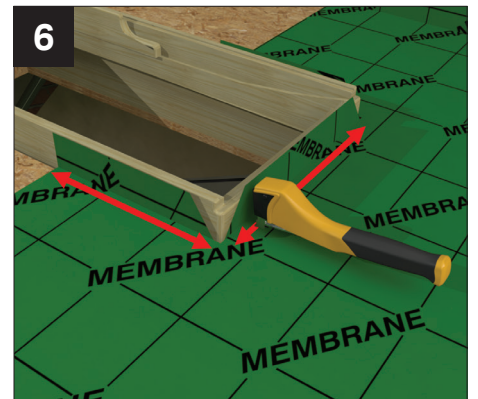
3  
Test fit the VELUX frame with the brackets fitted. Remove material required to allow the brackets to sit flush on the OSB surface. **Note: brackets should be fitted to top & bottom of VELUX frame NOT left & right.**



4  
Fit the frame



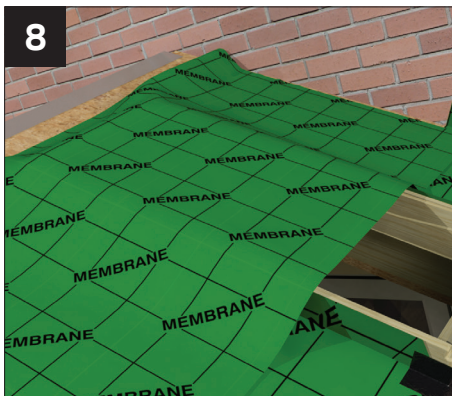
5  
Fix frame to OSB



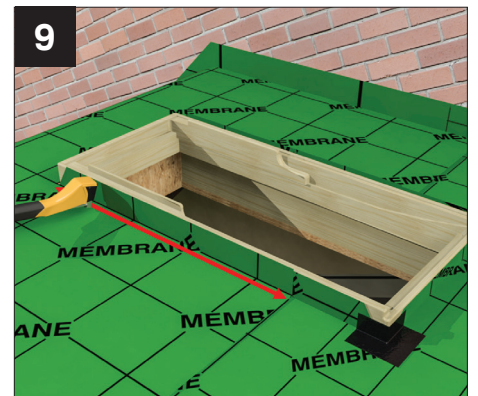
6  
Continue fitting the membrane allowing it to extend up the sides of the frame as shown. Apply waterproof tape to seal corner of the membrane as shown.



7  
Lay upper membrane section and cut to fit around aperture



8  
After fitting the OSB external panels, drill marking holes from the inside of the roof



9  
Ensure membrane is fitted neatly against the aperture and staple in position and trim



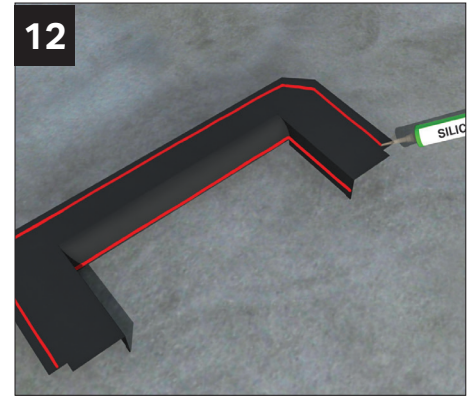
# VELUX Positions and Installation



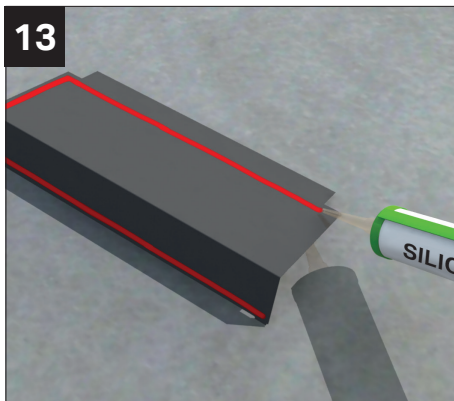
10 Seal upper corners with tape



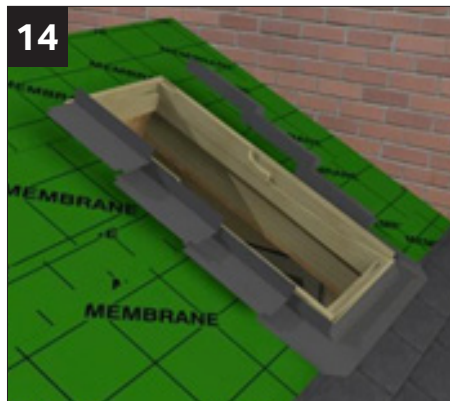
11 Install tiles up to the underside of the VELUX opening - refer to main guide to ensure correct tile spacing



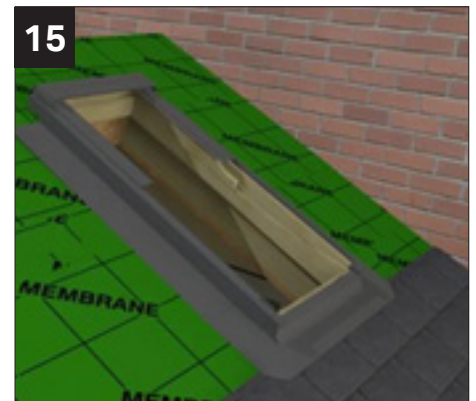
12 Apply low modulus neutral cure silicone to the underside of the flashings. Lower panel shown



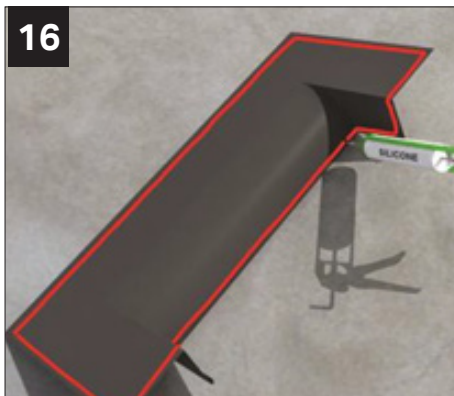
13 Apply low modulus neutral cure silicone to the underside of the flashings. Side panel shown



14 Fit the lower flashing panel, allowing it to overlap the tiles below as shown, followed by the overlapping side flashings. **Note:** How each side flashing always overlaps the flashing below



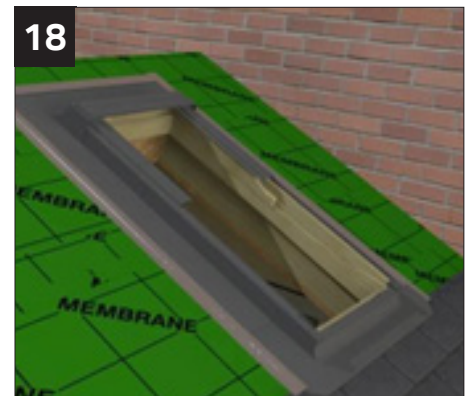
15 Fit VELUX frame flashings before adding the top flashing panel



16 Apply low modulus neutral cure silicone to the underside of the upper flashing panel

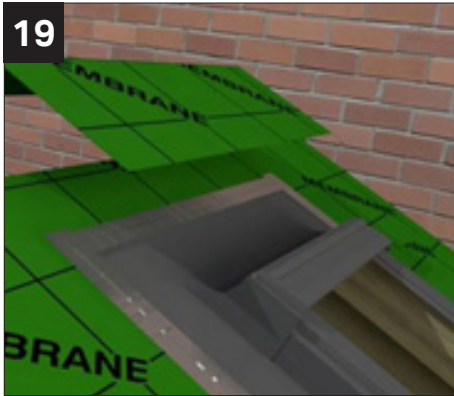


17 Fit the upper flashing panel

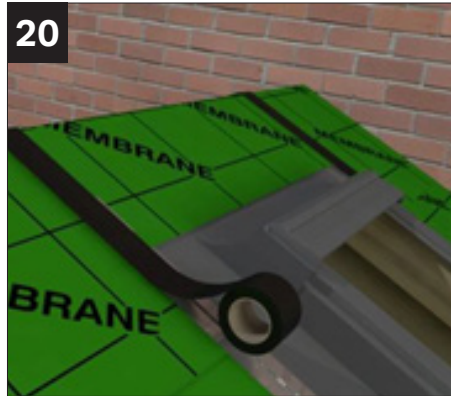


18 Apply the supplied aluminium backed butyl tape - this should overlap the lower tiles by approx 20mm. Fit the sides first followed by the top to ensure a good seal

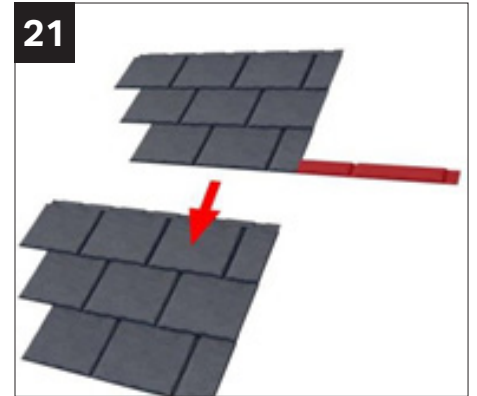
# VELUX Positions and Installation



Apply a full width of membrane above the VELUX so that it overlaps the upper flashing panel. This should extend over the ridge, or up the host wall in the case of a lean-to



Tape the membrane using waterproof tape at both sides to secure



Due to our automated cutting system, tile sheets adjacent to the VELUX on the next row will have a narrow lower section still attached (see image). **Note: This should be removed prior to fitting**



Image shows adjacent tiles fitted, highlighting the trimmed portion. Remember the lower flashing rides over the roof tiles



It may be necessary to remove tile clips from adjacent tiles which rest on the side flashings to allow them to lay correctly



Use tile screws to secure the bottom corners of the 2 adjacent tiles



Fit the remainder of the tiles – these should be approx 50mm from the sides of the VELUX frame. Remember tiles above and to each side of the VELUX, ride over the side flashings



Prior to fitting the VELUX trims ensure to seal between the tiles and the flashing, then fit the VELUX trims. The side rails consist of x 2 overlapping sections to allow for varying height of VELUX. Fit using supplied stainless steel screws with cover caps.

