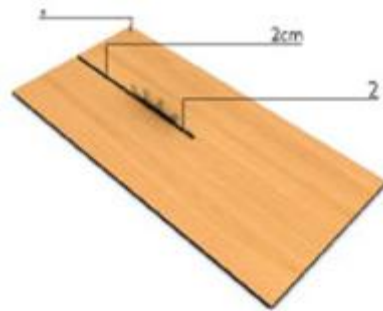




Mounting System

Machining:

To cut Tempo, always use well-sharpened, hard tools (tungsten carbide /Widia). Cool down the tool at all times during the cutting to prevent heating.



When cutting panels, take into consideration the following:

1. Adjust the cutting blade well so it enters fully from the panel side.
- Table-mounted saw: face the visible side of the panel upwards.
 - Hand-held saw: face the visible side of the panel downwards.

2. Height of the cutting blade:

For clean cut edges of the exposed surface, adjust the saw blade so that it shows up around 1-2 cm from the panel sawn surface.

Tempo mounting methods:

It is always advised to seek an appointed fixing contractor consultation for the appropriate fixing methods which are many. However, despite of any method one may use, it is highly recommended to leave a joint space of 8 mm between the panels to allow free expansion.

a. Screw and rivet fixing method (visible fixing method):

To perform a good fixing, use one of the following screws/rivets:


1. Screws for wooden sub-frames:

Screw size	panel thickness	
4.8 x 25	6 mm	
4.8 x 32	6 mm	
4.8 x 32	6 mm	

2. Screws for metal sub-frames

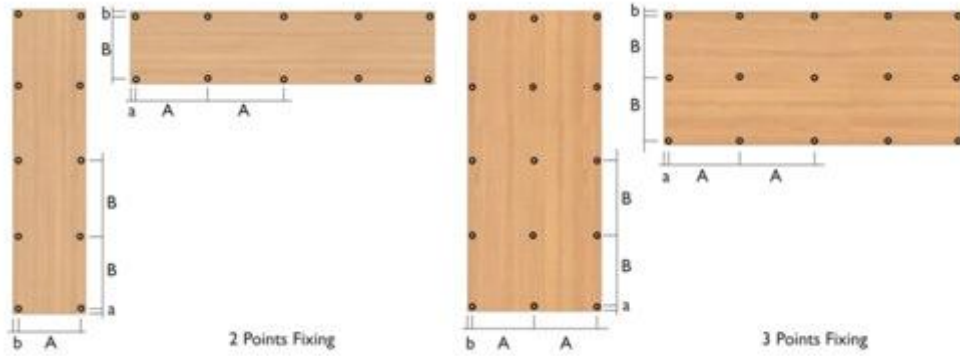
Screw size	panel thickness	
4.8 x 25	6-8 mm	

3. Rivets for metal sub-frames

Rivet diameter	4.8 mm (Depends on the thicknesses of panels)	
Head diameter	from 14 – 18 mm	
Suitable for panels ranging	from 6 - 10mm	

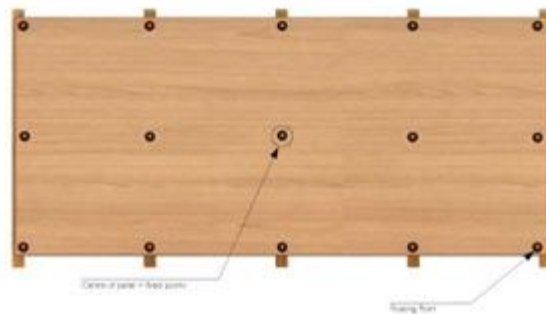
For better results, please follow carefully the following tables that provide the suitable distances between fixing points.

Two-point fixing				
Panel thickness	A(mm)	B (mm)	a (mm)	b (mm)
6 mm	400	400	20 - 40	20
8 mm	500	500	20 - 50	20
10 mm	700	600	20 - 60	20
Three-point fixing				
Panel thickness	A(mm)	B (mm)	a (mm)	b (mm)
6 mm	550	400	20 - 60	20 - 50
8 mm	700	500	20 - 80	20 - 60
10 mm	800	600	20 - 100	20 - 80

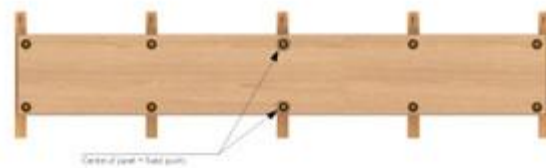


Make all holes for the exposed fixing panels, that hold the screws, 1-2 mm greater than the diameter of the screw itself but not for the central one which has to be of the same diameter. By achieving such a clearance you will allow a free panel's expansion/ contraction and prevent any undesired pressure to be generated against the vertical excess of the fixed screws.

The rest of the points are floating points.



Three points fixing



Two points fixing



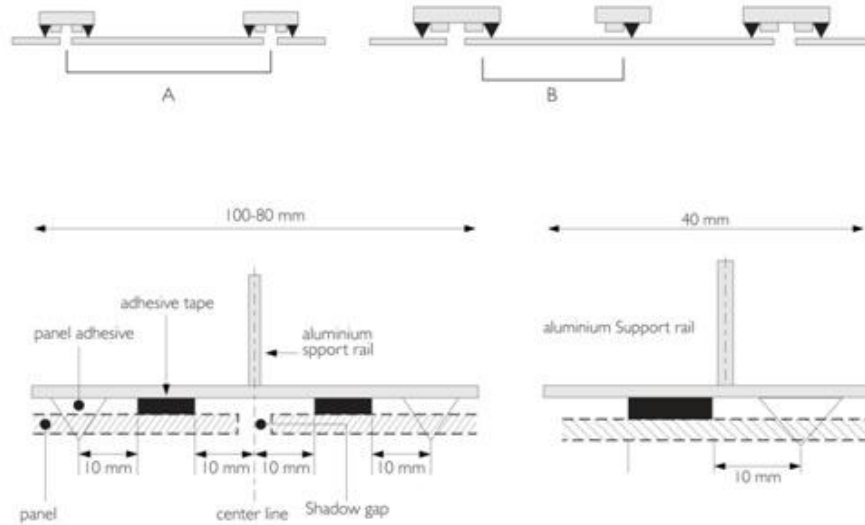
b. Adhesive tape & glue method (concealed fixing method):

This method depends on sticking Tempo on metallic or wooden surface that is already fixed on the wall; by means of special adhesive for exterior cladding. This is fast and easy way.

Tempo advises using SIKA products for gluing.

1. Cleaning Aluminum surface by Sika Cleaner-205
Note: ventilation time 10 minutes
2. Applying one thin coat of SikaTack-Panel Primer
Note: ventilation time at least 30 minutes, maximum 8 hours
3. Cleaning the panel with Sika Cleaner-205
Note: ventilation time 10 minutes
4. Apply SikaTack Double Sided Adhesive Tape over the whole length of the vertical shaped sections and parallel to the edges.
5. Application of SikaTack Panel Adhesive with hand pressure gun or compressed-air gun.
6. Mounting of the panel must be completed within 10 minutes after application of the adhesive on the shaped sections.

To obtain the best guaranteed results by using glue method, it should be depended on the enclosed details (shown in the following illustration):



For glued installation with SikaTack Panel (spacing of the vertical support construction):

Panel thickness	Maximum fastening Spacing / mm Single span panel	Maximum fastening Spacing / mm Double span panel
6 mm	400	500
8 mm	500	500
10 mm	500	500

Corner Solutions:

Tempo suggests many solutions for corners according to the design.

