



SWP Concrete Solutions Ltd will agree with their client/contractor the delivery sequence, location and approximate time of delivery enabling safe load deliveries.

It is the responsibility of the client/contractor to provide suitable hard standing and access for the delivery vehicles from a Local Authority road to where the units will be offloaded.

Concrete panels can be installed using a telehandler or similar machine. Only approved and tested lifting equipment should be used when handling panels. Approved lifting clutches can be supplied by SWP Concrete Ltd as outlined in the quotation.

All panels supplied by SWP Concrete Ltd are clearly marked with the individual weight of each component.

All equipment used must be tested and approved to lift the appropriate weight.

When offloading with a telehandler the forks should be at the widest position and care taken to avoid damage to the panel edge whilst positioning the forks underneath. Unit weight may be calculated by multiplying the unit length, width, and depth in metres and then multiplying the figure obtained by 2.45. (2.45 being the weight in tonnes per cubic metre of concrete)



EXAMPLE

Volume of panel concrete = $6.085\text{m} \times 1.2\text{m} \times 0.150\text{m} = 1.095\text{m}^3$

Weight of panel = $1.095 \times 2.50 = 2.74$ tonnes

Once off loaded the panels should be stacked no more than 6 number high on flat firm ground capable of taking the combined weight

Timbers should be positioned at a distance of one fifth of the overall panel length from each end between the panels and aligned vertically to prevent the panels bowing or cracking



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Lifting clutches should be attached to the lifting inserts in the top edge of the panel and connected by lifting chains.

Lifting clutches and lifting chains to be supplied by others and tested and certified to the correct load requirements



The angle of the lifting chains should be no greater than 60° from the vertical.

Once all lifters and lifting chains have been secured the panel can be lifted slowly to the vertical position and carried to the bay where it is going to be fixed.

When lifting from the stack to the vertical position it is important to be aware that the cast in lifting insert is designed to work at 0 to 90° from the horizontal and under no circumstances may load be applied to the lifter outside of these angles.



Panels are fixed to the stanchions using the plates and bolts provided.

It is advisable to place a small amount of mastic between the plate and the stanchion to prevent the plate moving over time.

Only when the panel is secure may the lifters be removed.



THESE HANDLING INSTRUCTIONS FOR AGRICULTURAL WALL PANELS ARE GIVEN FOR GUIDANCE ONLY. IT IS THE RESPONSIBILITY OF THE PANEL INSTALLER TO ENSURE THAT THE ERECTION OF THE PANELS IS CARRIED OUT IN A SAFE MANNER TAKING INTO ACCOUNT ALL RISKS ASSOCIATED WITH THE PROJECT AND ITS LOCATION.