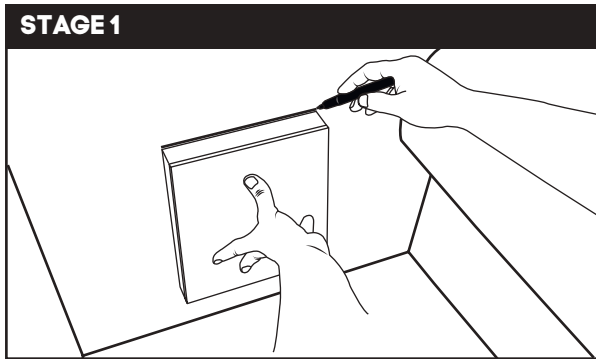
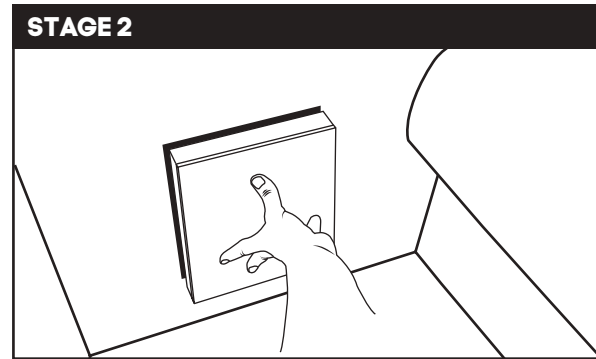


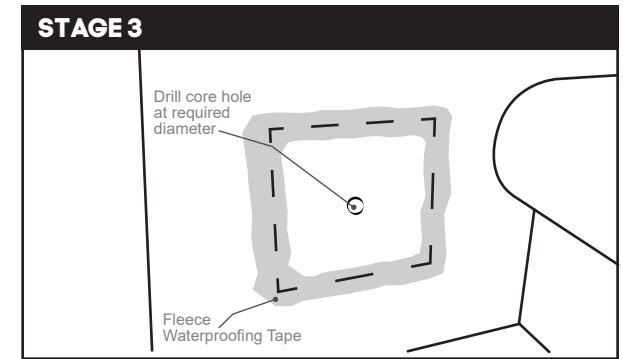
Fitting the steam Outlet box



- Mark the wall using the back plate of the diffuser box as a template. Cut a square aperture through the DeltaBoard panel following the markings.



- Glue the Diffuser body into the wall panel using DeltaSeal.



- Use a core drill to cut a hole in the diffuser box for the steam supply ducting. Fleece Tape over edges of recessed Diffuser box and seal with waterproofing paste.

Fixing the Steam Diffuser Box

DeltaBoard panels and PCS Seating Elements are composite construction panels manufactured with an insulating polystyrene core designed to withstand heat up to 75°C.

It is essential to protect the Delta panels and PCS seating profiles from direct contact with any heat source capable of producing temperatures greater than the panel's limit of 75°C ie steam pipes, lighting and heating elements etc. During construction of the Steam room/Hamman, it will be necessary to install steam supply pipe ducting from a steam generator into the pod unit. It is essential to ensure that the steam supply ducting, heat emitting lighting and the steam head are adequately insulated using a suitable heat resistant material to prevent excessive heat transferring from the heat source to the core structure of the Delta Panels and PCS Seating Profiles.

Protecting the Panels against pressurised Steam

Pressurised steam can enter the wellness pod at around 110 °C however when steam is expelled from the steam head and into the pod the pressurised steam immediately cools to temperatures significantly lower than 75°C. Protection of the panels against aggressive steam heat is therefore only necessary in localised areas close to the pipe ducting and the steam head. Panels and seating profiles not in close contact with a heat source do not need additional protection.

Insulating the Pipe Ducting

Steam supply ducting is usually located on the outside of the pod. The steam supply ducting must be insulated using a suitable heat resistant insulating material such as glass wool insulation.

Steam Head Protection

To protect the panels and seating profiles from damage against heat and pressurised steam, it is necessary to install a steam diffuser box. The steam diffuser box is manufactured from heat resistant materials and is designed to be fixed into a wall panel. Fix the diffuser box at low level (centre of diffuser box should be positioned approx 250mm - 300mm above floor level) and in a location that has restricted access. Pressurised steam expelled from the steam head should be positioned to ensure steam isn't directed onto any adjacent panel and must not be directed onto exposed skin.

Your PCS Pod is now ready for final fixing of hardware, doors and tiles.