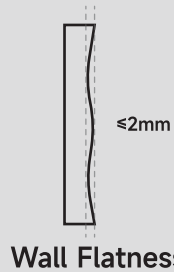


Installation Guide

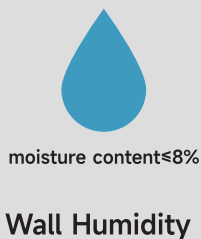


01 Important Tips

Thank you for choosing Pro-Tek wall panels. Please ask your installer to check each panel prior to fixing them and read this guide prior to installation as improper installation will void any guarantees. Properly fitted and maintained wall panels will last for years.



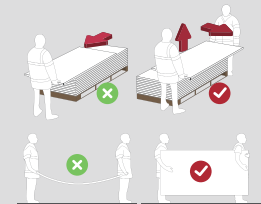
Walls must be flat and stable with a tolerance of no more than **2mm over a 2 metre** span. (this can be checked by using a straight edge) Remove any paint, wallpaper or any other coverings before installation. Fill any holes or level with the appropriate smoothing material.



The wall surface should be dry, free of impurities, delamination, voids, and other defects. The moisture content of the wall should not be higher than **8%**, otherwise, dehumidification should be carried out or appropriate moisture-proof measures should be taken.



Wall panels should only be installed in temperature-controlled environments. It is necessary to maintain a constant temperature before, during, and after the installation. Therefore, the permanent or temporary HVAC system must be in operation before installing wall panels. Portable heaters are not recommended as they may not heat the room and wall sufficiently. Kerosene heaters should never be used. The ideal indoor temperature is **60-77°F (15-25°C)**.



- During transportation, stack panels horizontally to maintain their flatness.
- Secure panels adequately during transit to prevent damage in the event of sudden braking.
- Handle panels with care during unloading to prevent damage to the corners.
- Use protective boards when lifting to safeguard against deformation or damage.
- Avoid exposing panels to direct sunlight, rain, or high humidity to maintain their integrity.
- Store panels indoors on a level surface, ensuring they are stacked flat on pallets to prevent ground contact.
- When lifting panels, grasp them along the long side and keep them upright to minimise bending.

02 Wall Construction

SPC wall panels can be installed on a variety of surfaces. Pro-Tek wall panels can also be fitted as kitchen splash backs. Please consult us if you intend to apply the panels to any surface other than those described here. All substrates must be structurally sound, dry, clean, flat, and smooth with minimal deflection. Substrates must be free from excessive moisture or alkali. Remove dirt, paint, varnish, wax, oils, solvents, and other foreign matter and contaminants.

Cement/ Concrete

Depending on the condition (flatness) of the existing wall, additional adhesive may be required to properly secure the wall panels to the substrate. The surface of the wall must be free of contaminants, completely clean and dust free. You may be required to put a seal on the wall to hold back any contamination prior to installation.

HDF Board/ Sheetrock/ Green Board/ Cement Board/ Ply Wood/ Timber

Depending on the condition (flatness) of the existing wall, additional adhesive may be required to properly secure the wall panels to the substrate. The surface of the wall must be free of contaminants, completely clean and dust free. You may be required to put a seal on the wall to hold back any contaminants, completely prior to installation.

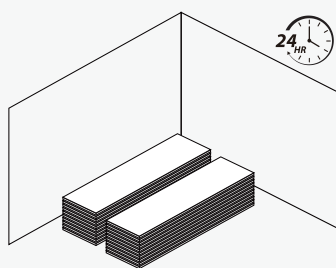
Tiles

All tiles must be removed prior to installation. By removing the tiles, it is likely that you will damage the existing wall and will need to make repairs or to refinish the wall to make it flat and stable. We recommend that you instruct a professional to undertake this work. The surface of the wall must be free of contaminants, completely clean and dust free. You may be required to put a seal on the wall to hold back any contamination prior to installation.

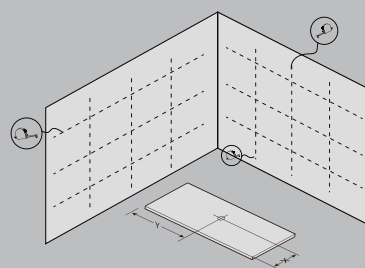
Plaster

Depending on the condition (flatness) of the existing wall additional adhesive may be required to properly secure the wall panels to the substrate. Use a sanding machine to flatten any protruding uneven surfaces. The surface of the wall must be free of contaminants, completely clean and dust free. You may be required to put a seal on the wall to hold back any contamination prior to installation. Recommended: The complete working area should be sealed with two coats of sealer, to ensure proper adhesion of the SPC wall panels.

03 Preparation



The wall panels should be acclimatised **24 hours** prior to installation. They should be in the area they will be installed in, (or if it is a bathroom) very close to the area to adapt to the area temperature. Please note that all wet work should be completely dry before you acclimatise.



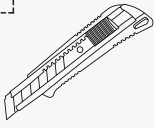
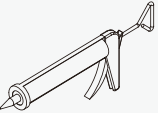
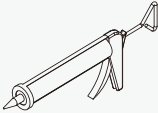
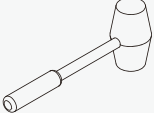
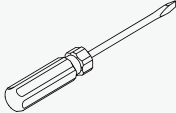
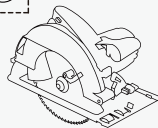
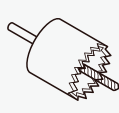
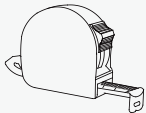
Pro-Tek wall panels are all 2800mm high and 600mm wide. If your ceiling height is lower than 2800mm then you will only need to work out how many widths of 600mm you will need. We recommend that you mark out on the wall where each wall panel will meet so you do not get any joints close to openings or corners. You will also need to consider the layout if you have selected a tile pattern. If the width of the last line is less than half the width of the panel adjusts and cut the first line for aesthetics.



Once you mark out the room and you are happy that the joints are not near any openings and the tile pattern (if this was selected) looks even you can then mark out any holes that you may need to make for plumbing services. Mark these on the back of the panels for drilling/cutting before installation.

ALWAYS TRY AND FIT THE WALL PANELS FROM LEFT TO RIGHT. MAKING SURE THAT YOU HAVE THE CLICK SYSTEM THE CORRECT WAY FOR EASE OF INSTALLATION. ALLOW A 4mm EXPANSION GAP AT THE TOP AND BOTTOM OF EACH PANEL.

Always use plumb lines to make sure that the panels are straight. You may need to cut both ends (top & Bottom) on each panel as no floor or ceiling is completely straight.

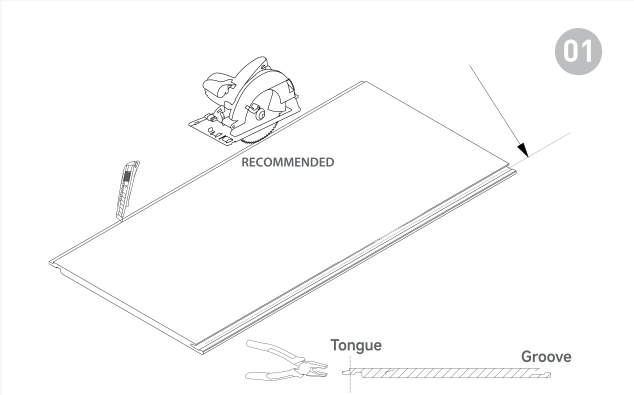
①	②	③	④	⑤	⑥	⑦	⑧	⑨
								
Utility Knife	Locking Pliers	Construction Grade Adhesive	Silicone	Rubber Mallet	Flathead Screwdriver	Circular Saw Fine tooth blade	Hole Saw	Measuring Tape

Installation Tools

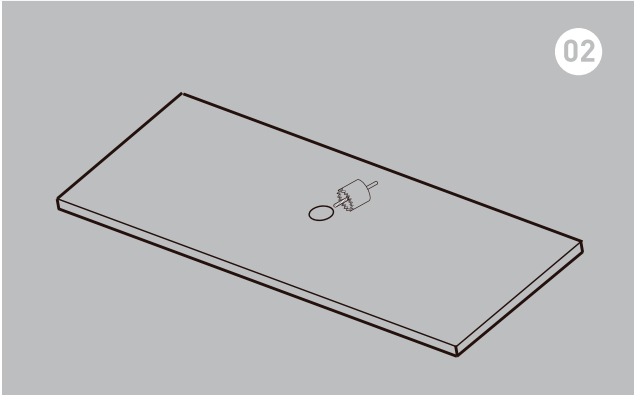
04

Installation

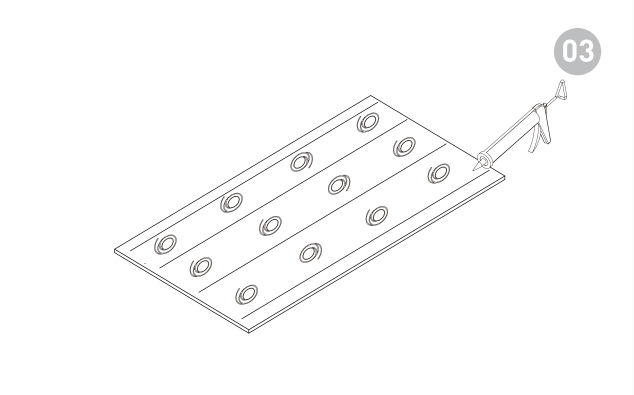
(2 people required to install)



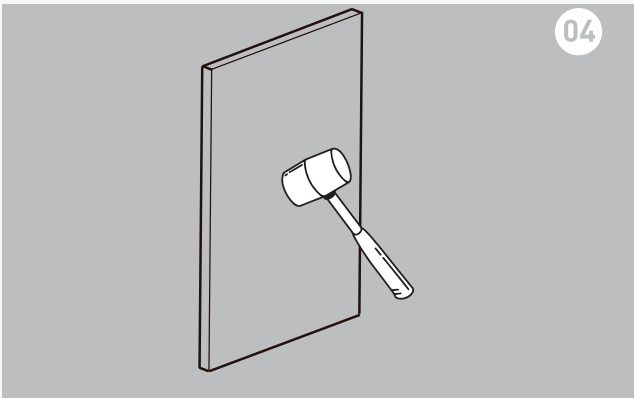
You may need to cut both ends of the panel as floors and ceilings may not be straight.
Install from the corner of the wall. The interlock system where the wall panels join at the corners needs to be cut out to make the edge flat. Circular saw with a fine blade is recommended for making required cuts. You may need to tape the surface to prevent chipping. Always test the saw on a spare piece of panel before you start. If using utility knife, score the line several times and then use locking pliers to snap off the excess piece as shown.



Use a drill and appropriate size Hole saw to create the holes for shower heads and pipework.
Please note: use extreme caution when drilling holes as not to damage the decor side. Either drill from the back or use a tape to stop chipping. Please test on waste pieces first.

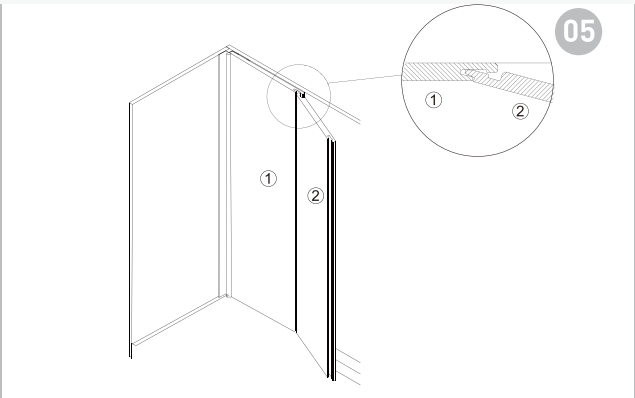


Apply 4 evenly spaced beads of adhesive along the length of each panel. It is important to have a bead of adhesive 30mm away from each of the locking system sides as this will strengthen the joints once each panel is locked together. Dot and Dab or small swirls in between n between the 4 adhesive bead lines as per picture. Do not use excessive adhesive as this may lead to the panel not laying flat against the wall. Always use a straight edge to check that the panels are flat.



Start the install from the corner of the wall. Use a plumb line to make sure that the wall panels will remain straight all the way around. For neat corner finishes you can use a waterproof silicone sealant or a Pro-Tek inner corner profile. Either way, you will need to cut off the locking mechanism, so you have a straight edge to fit into the profile or into the corner of the wall.
Place the panel onto the wall, pushing it firmly all over to eradicate bubbles and use a rubber mallet from top to bottom to ensure it is tightly connected to the wall. Use a straight edge to make sure the panel is flat.

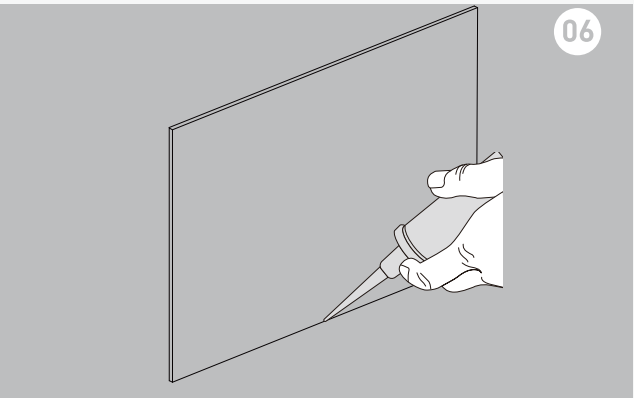
ALWAYS LEAVE A 4mm EXPANSION GAP AT THE TOP (CEILING) AND BOTTOM (FLOOR) USE WEDGE SHAPED EXPANSION GAP SPACERS TO MAKE ANY SLIGHT GROUT LINE ADJUSTMENT.
ALIGN THE GROUT LINES CLOSEST TO THE FLOOR FIRST.SPACERS WILL ALSO KEEP THE PANEL IN POSITION WHILST THE ADHESIVE CURES.



Position the second panel at an angle of approximately 35 degrees, and carefully push the tongue edge into the groove in the trailing edge of the first panel. Move the panel gently while exerting forward pressure and carefully push it toward the back wall.
Push panel firmly against the wall smoothing out any air bubbles along the entire area and then lightly tap on wall panel with a rubber mallet from top to bottom to ensure it is tightly connected to the wall. Use a straight edge to make sure the panels are flat and are level with each other.

Panels with grout lines
Make sure before you cut the 2nd and remaining panels that the horizontal grout lines will line up from panel to panel.

THERE IS A MANUFACTURING TOLERANCE OF +/- 0.5mm ON WIDTH AND POSITION OF GROUT LINES

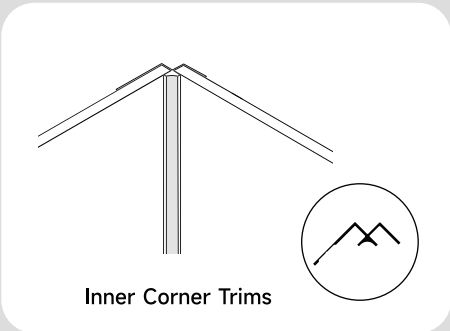


Install all remaining wall panels. Apply a waterproof silicone sealant to the gap between the panel and the flooring and seal any other gaps from cuts and drill holes to make the surface watertight. Clean any excess adhesive/silicone whilst installing the panels as it will be harder to clean and may damage the panels once they start to dry.
PLEASE NOTE: If you need to change a panel after it is affixed to the wall, this can be done easily, if it was the last panel that was installed. If the adhesive has set , you may damage the wall behind, and this may need repairing before the installation of a new panel. If a replacement panel is required after all panels have been installed you will need to take off the wall, the old panel as carefully as possible. Start by making a vertical cut at the centre of the panel and then using a bolster start chipping the panel from the wall working towards the edges. The wall behind will need some repairs before replacing the new panel. Please note that you will be able to use one side of the panel locking system but you may need to cut the other side off and have the panel flush fitted to the next panel. (This joint will not be waterproof)

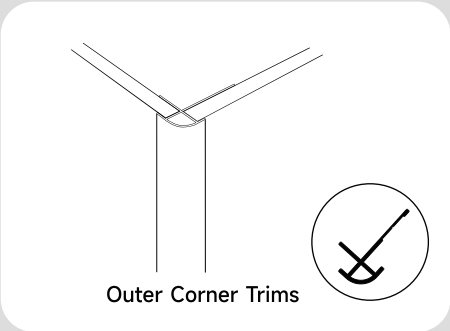
05

Accessories Installation(Optional)

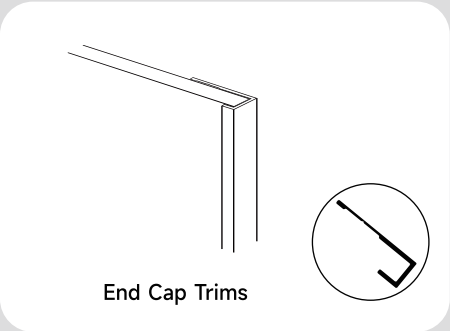
Add open ends to the wall panel on the outer corner trims and end cap trims. Please see below



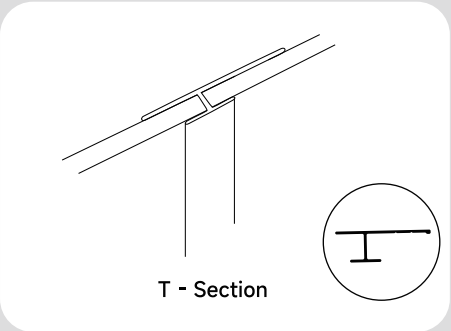
Inner Corner Trims



Outer Corner Trims



End Cap Trims



T - Section

1. Pro-Tek brushed aluminium trims include internal corner trims, external corner trims, end cap trims and T joint trims etc. Once cut to size apply construction grade adhesive to the back of the end trim piece. Carefully position the trim and push it into place. Use clear silicone sealant to waterproof edges and corners. Wipe away any excess adhesives /silicones straight away

Caring for Your Wall Panels

Pro-Tek wall panels can be used as soon as the silicone and adhesive has had **24 hours** to reach an adequate level of cure. Complete curing takes around **7 days**. Do not hang heavy objects on the panels directly – drill through the panels into the wall for proper support.

Use a mild cleaning agent with a soft cloth towel to clean the wall panels– do not use abrasive cleaning products as they may cause damage.

Installer's Responsibility

Each panel should be checked for defects before cutting. We assume no liability for defected panels that they have been cut and or fixed to the wall or any issues resulting from incorrect installation methods or incompatible site conditions such as but not limited to uneven surfaces and walls, incorrect adhesive, excessive moisture and other unspecified conditions.