

MAINTENANCE

Fastmount clips have been designed to be removed and refitted easily. The clips are hidden when in place and require no special maintenance. The system allows for easy access to maintain wiring, electronics and plumbing in the substrate, as well as access to storage behind the panels.

To Remove Panels:

Use cotton gloves when handling panels.

Covered panels should be removed using the CT-05 or CT-05H panel removal tool introduced at the corner edge of the panel. The panel should then be gently pulled away from the support frame, slowly disengaging each line of clips. NOTE: If the panels are very long, wide or heavy always ensure that 2 people handle the panel for safety and to minimize extreme pressure on the clips.

Painted or prefinished panels should be removed using two of the CT-17 suction lifters. Note: if the panels are very long, wide or heavy always ensure that 2 people handle the panel for safety and to minimize extreme pressure on the clips.

Clip Breakage:

If the panel male clip breaks (typically due to extreme oblique pressure, extreme g-forces, or rough handling) the clip can be replaced easily and quickly with the CT-06 Service Kit which contains installation tools, CT-05 panel removal tool and a number of replacement clips.

To Refit Panels:

Use cotton gloves when handling panels. Present the panel to the original panel space and firmly push panels into place ensuring all clips are engaged. Use a firm pressure, but do not hit the panel hard with your hand to engage clips – this can cause damage to the panels and the clips.

Tool Maintenance:

Periodically coat the drill bits in tooling oil (not supplied).

Technical Notes

Pullout Loads

The pullout load will vary depending on the clip type and are specified on each product sheet. The loads range between 2kg (4.4lb) for minimum load clips, 5kg (11lb) for standard loading and 10-18kg (22-40lb) for heavy duty clips.

The shock load is less and can be as low as 2kg (4.4lb), depending on the type of shock load. Clips never load simultaneously on a panel, so if a panel has 10 clips it does not mean the force required to remove the panel (or the force the panel will take) is 10x5kg (22x11lb).

Clip Spacing and Panel Loads

Panels need to be supported evenly around the perimeter to eliminate sagging. The clip spacing requirements will vary depending on the clips used, and the application.

Although many of the Fastmount clip sets will hold more than your theoretical panel load, the reality of unknown conditions means panels and clips could be subjected to shock loads (g-forces) from big seas or seismic shocks. From our experience it is best to follow our clip spacing guidelines. These can be found here.

If you require further advice email info@fastmount.com.

Fastmount With Different Materials

You can mount Fastmount clips into or onto most panel products such as plywood, MDF, plastic, fiberglass, HPL, sandwich panels and composite panels such as Alucobond. It is not recommended to use very heavy materials such as granite and heavy fibre cement board. The LP-DF8 coarse thread female clip and PC-DC1 is designed to work with drywall plasterboard.

Please refer to our interactive Product Selector for general product recommendations, or email us at info@fastmount.com for detailed advice.

Drill Settings and Self Tapping Clips

The clutch setting on battery drills when fitting clips varies from drill to drill. It will depend on the battery charge condition and on the material you are screwing into.

Once 2 or 3 test clips have been tested, you will have a good feel for a setting that screws the clips home, but does not over tighten them. If the clips are breaking, the drill setting is too powerful. Note: Some hard veneers and hard materials require a small countersink to the entrance of the hole to allow the clip thread to tap into the material. Contact us for advice info@fastmount.com

Adhesives for Surface Mount Clips

We recommend the use of a standard two-part epoxy, which will hold the clip in place at over three times the clipping load (30-40kg per clip).

If you require further advice email info@fastmount.com.

Quality Installation

To ensure consistent and quality installation Fastmount supplies tools where required. Installation videos are available here and installation guides can be viewed from each product page on the website, or in our Technical Guide.