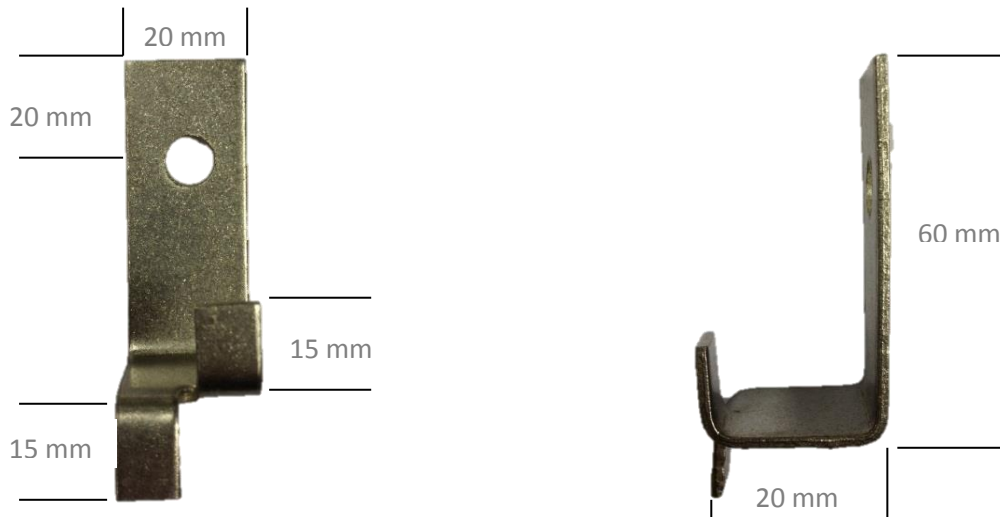


# TIER Clips -Technical data & Installation guidelines

Design and dimensions of TIER Clips



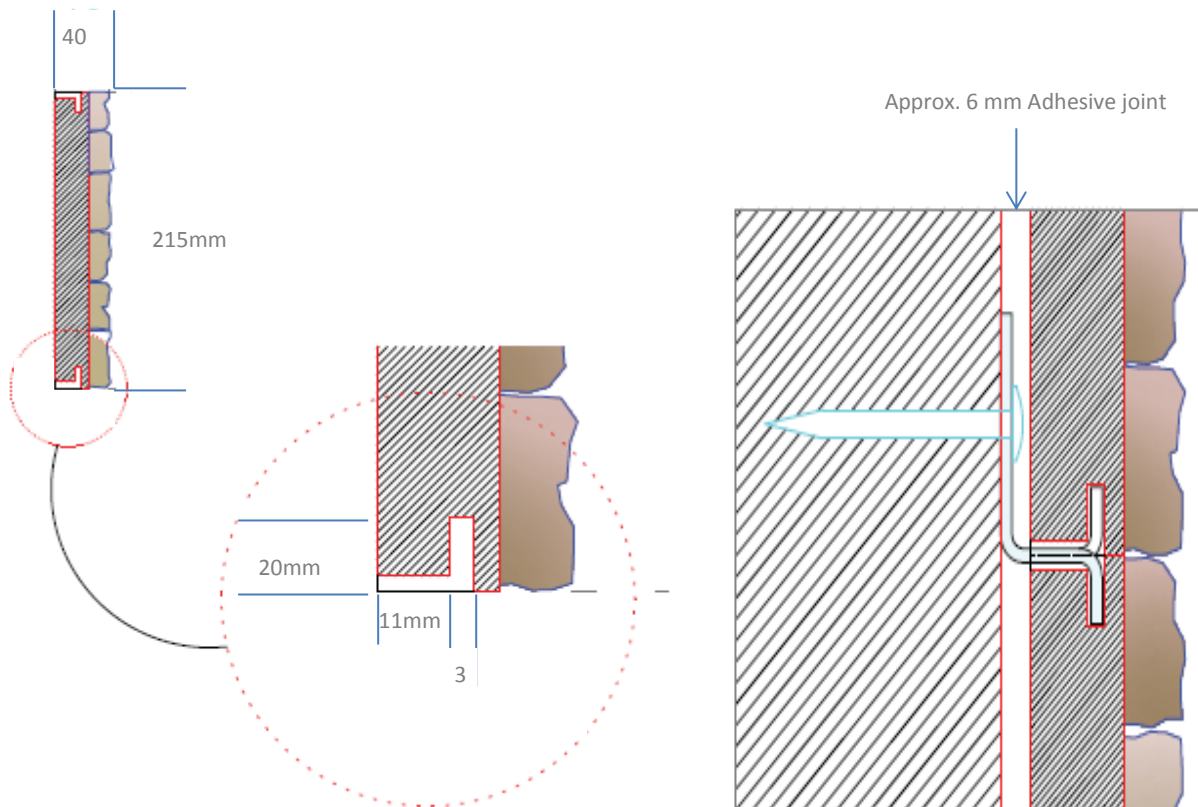
- TIER Clips can be described as a stainless steel 'L' bracket with vertically bent 'split lips'
- Recommended for use, in conjunction with TIER adhesive, to areas of panel fitted above 3m from ground level.
- Approx. 8 clips required per m<sup>2</sup>.
- To be used in conjunction with TIER adhesive.
- Clips are supplied in boxes of 50. Clips are accompanied by either stainless steel M6 x 60 mm hammer fixings, for fixing to block/concrete substrates, or 50 mm stainless steel screws for fixing to timber/steel frame substrates.
- Consider load per clip = 0.125kN (12.5kg – TIER Panels weights approx. 10.20 kg each)
- Clips are intended as a fail-safe device only

## Advantages of the TIER Clip system

- All components are Stainless steel -will not rust and degrade over time.
- Designed specifically for TIER Stone Panels.
- Simple fitted process.
- Very strong (2.5 mm stainless steel). Gives confidence, unlike light gauge galvanized fixing band solutions.
- Unlike other clips systems, each panel has two 'catch' points (top and bottom). Therefore panels are unable to move in any direction, either vertically, horizontally, inwards or outwards. This ensures that even in extreme wind loading conditions panels cannot hang, 'flap', and break up.
- Everything in one box. Clips are accompanied by Stainless steel hammer fixings or Stainless steel screws depending on substrate.

## TIER Clip Fitting Guidelines

- 1) Using an angle grinder, with a diamond blade, cut a 3 mm vertical slot on the top of the TIER stone panel. The slot should run parallel to, and start roughly 11 mm in from, the back of the TIER Stone panel. Slots should be cut to a minimum depth of 20 mm and be a minimum of 25 mm wide.
- 2) Grind down, by 2 mm, the cement between the slot and the back of the panel so that the clip does not 'sit proud' and hinder the panels fitting tightly together.



- 3) With the Panel fixed in place fit the clip in position. The downward facing split lip should be inserted into the slot, with the main body of the clip towards the back of the panel. Ensure the clip is vertically plumb.
- 4) Mark, on the buildings substrate, where the hole for the hammer fixings needs to be drilled. Remove the clip and drill the hole. Clean off any dust. If fixing to a steel or timber frame substructure, a pilot hole may only be required.
- 5) Replace the clip and mechanically fix to the wall using the hammer fixing/screw.
- 6) Repeat this process for each panel, making sure that the slot cut in the bottom of the panel is positioned to accept the upward facing split lip of the clip below.
- 7) The design of the TIER clip system ensures that panels are firmly held against the buildings substrate, and cannot travel in any direction.