

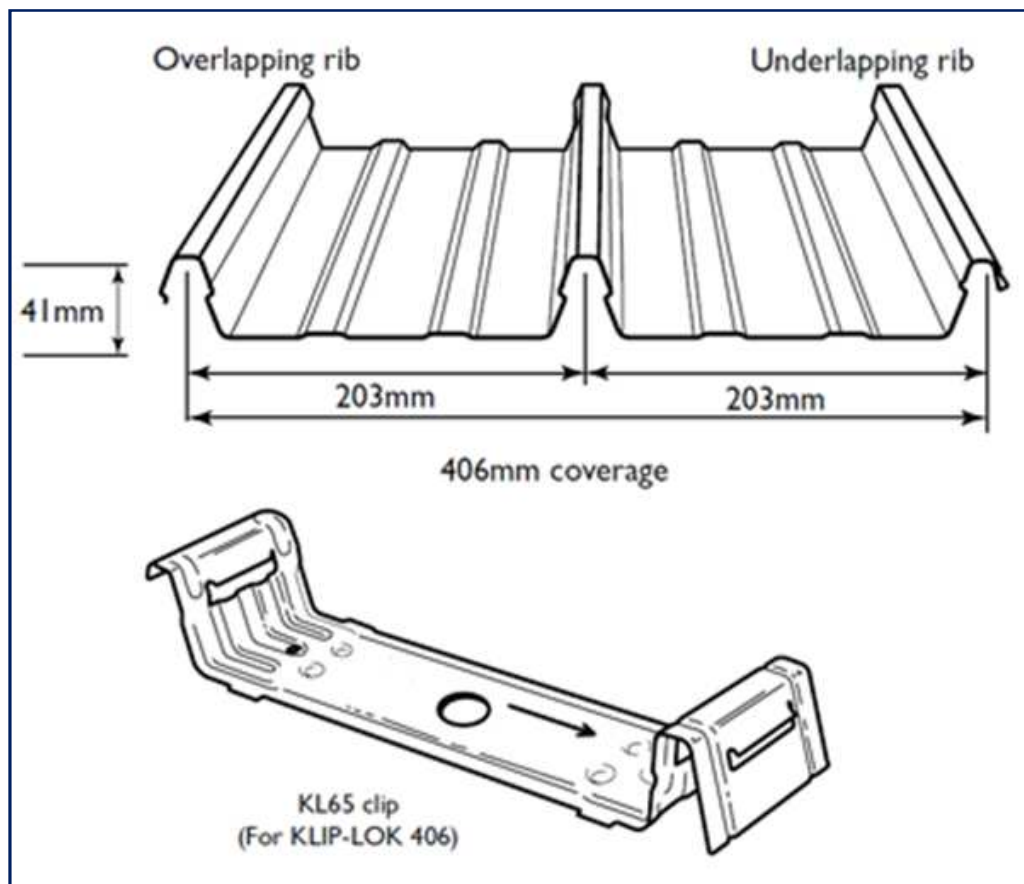
KAGA ROOFING & CEILING SOLUTIONS

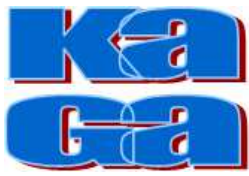
CLIP LOCK ROOFING

Clip Lock Roofing is a strong, durable, versatile, long spanning, concealed-fix roof and wall cladding with exceptional waterproofing characteristics. Smart fluted pans and a lock-action rib design enables use on low pitched roofs.

Clip Lock is available in long length therefore on most jobs you can have one sheet from ridge to gutter without end laps. Long, straight lengths of Clip Lock Roofing can be laid in place and easily aligned because fixing with our clips is simple and fast. The smaller number of clips for a given area provides extra economy.

Clip Lock is available in 0.5 MM, 0.55 MM, 0.58 MM and 0.6 MM.





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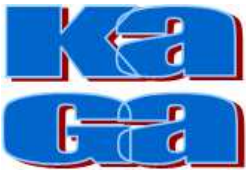
General Installation Notes

1. Check that the top faces of all purlins or battens are lying in one plane, adjusting as necessary by packing or easing between these members and their supporting structure. Under no circumstances should packing be used directly under the fastening clips to adjust fall or alignment of roof. Accurate alignment ensures efficient locking of sheets and clips. Conversely, misalignment can interfere with the Locking action, particularly on close support centers.
2. To maintain maximum holding power the first and last supports and clips should be at least 75mm from each end of the sheet.
3. Make spot checks for the alignment of sheets during laying to control fanning or creep (5 sheets = 2030mm coverage). To rectify alignment, sheets may be adjusted 2mm by pulling the clip away or pushing towards the sheet while fastening the clip.
4. For very steep roof or vertical wall applications, a positive fastener (screw or bolt) is required in each sheet length to prevent movement down the fastening clips. This is best positioned under or through the flashing or capping at the top end.
5. CLIP LOCK ROOFING can be fastened over insulation wool blankets up to 50mm thick when the blanket is draped over supports before installation of clips.
6. Sheets should project a minimum 50mm into the gutter line.

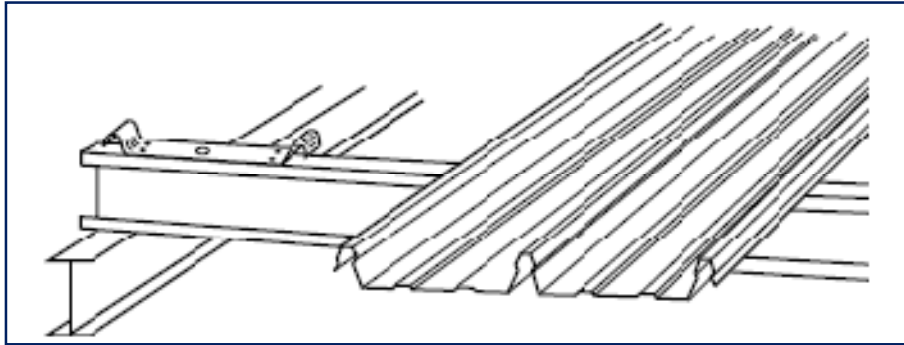
Installation Procedure

Step 1

When lifting sheet lengths onto the roof frame ready for installation, make sure all sheets have the overlapping ribs facing towards the side where fastening is to commence. The first run of clips must be located and fastened, one to each support, so that they will correctly engage in the overlapping and centre ribs of the first sheet when it is located and locked over them. To do this, fasten clips to the purlins at each end of the sheet, having positioned them so that the first sheet will be in correct relation to other building elements. Align and fasten the remainder of the first run of clips using a string line or the first sheet as a straight edge

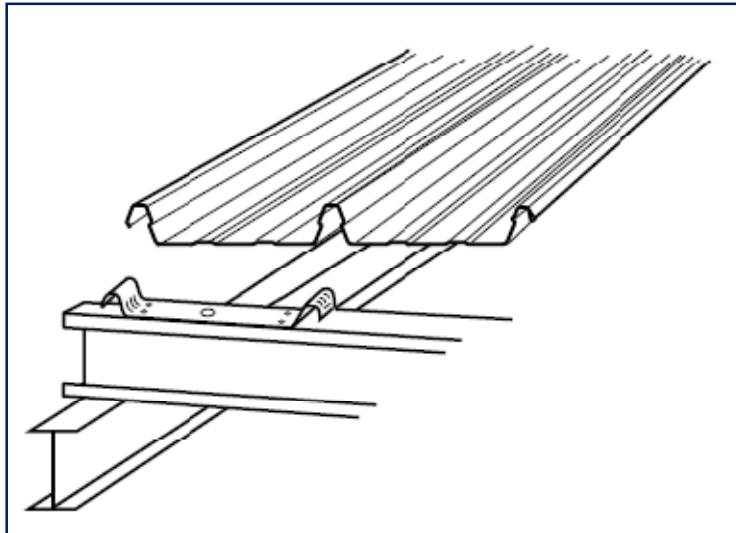


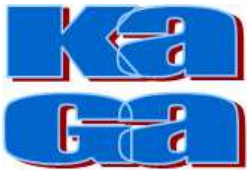
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Step 2

Position the first sheet longitudinally in relation to gutter overhang and locate it over the fastened run of clips, positioning the centre rib first, and engage the centre and overlapping ribs onto all clips by foot pressure

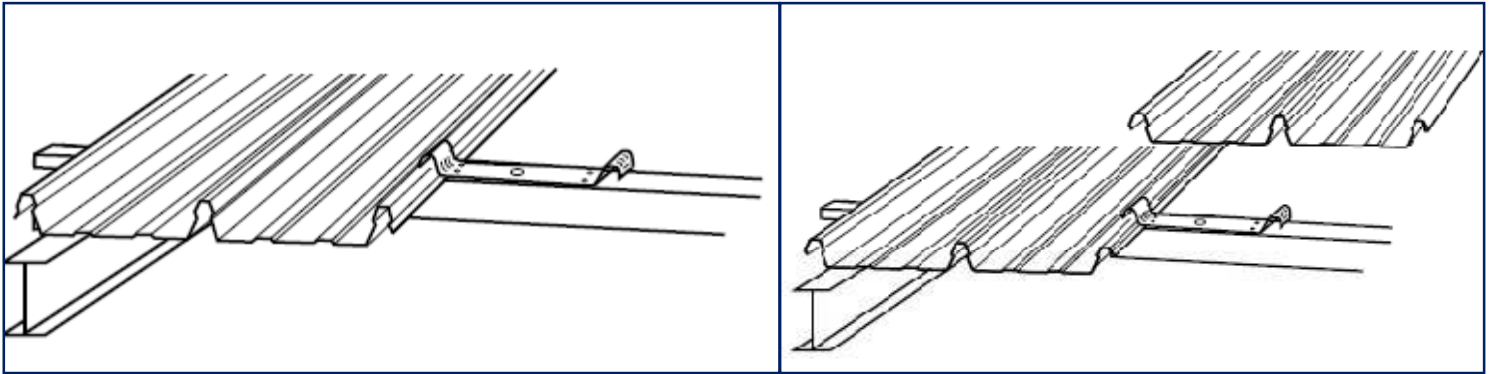




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Step 3

Position and fasten the next run of clips, one to each support, with the short return leg of the clip over the under lapping rib of the installed sheet. If the clip fouls one of the spurs spaced along the outer free edge of the under lapping rib, the spur can be flattened with a blow from a rubber mallet to allow the clip to seat down over the rib.

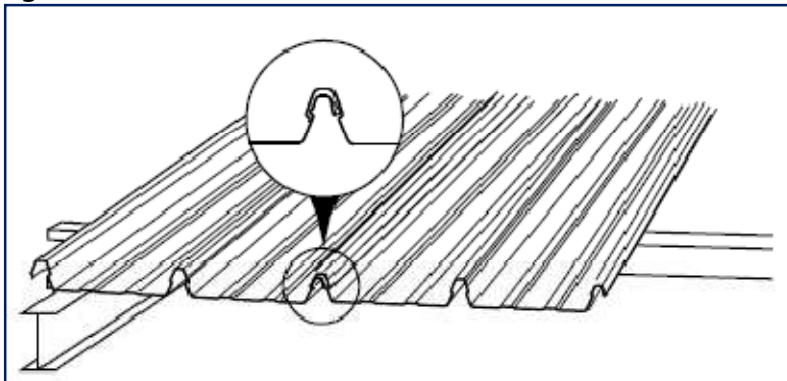


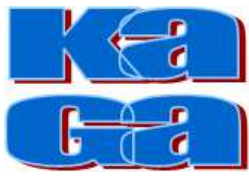
Step 4a

Place the second sheet over the second run of clips, again positioning the centre rib first. A string line stretched across the bottom alignment of the sheets can be used to check that the ends of the sheets are in line.

Fully engage the interlocking ribs and the centre rib over each clip. This can be achieved by walking along the full length of the sheet being installed with one foot in the tray next to the overlapping rib and the other foot applying pressure to the top of the interlocking ribs at regular intervals.

Also apply foot pressure to the top of the centre rib over each clip. For complete interlocking, which is essential, the spurs of CLIP LOCK ROOFING along the underlapping rib must be fully engaged in the shoulder of the overlapping rib.





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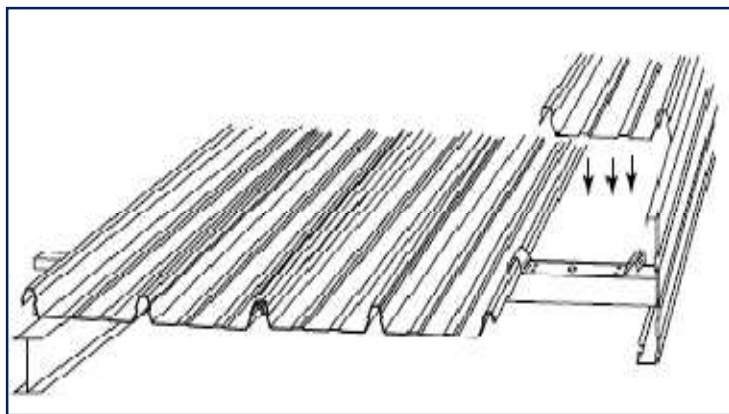
Step 4b

A distinct “click” will be heard as the interlocking ribs fully engage.

When engaging Clip Lock Roofing interlocking ribs, stand only on the sheet being installed, that is the overlapping sheet, and not on the preceding sheet.

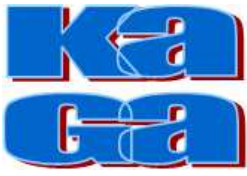
Install subsequent sheets by following Steps 3 and 4 and make periodic checks that the installed sheets are aligned with the roof perimeter.

On walling applications a rubber mallet must be used to fully engage the inter-locking ribs and engage the centre ribs over the clips.



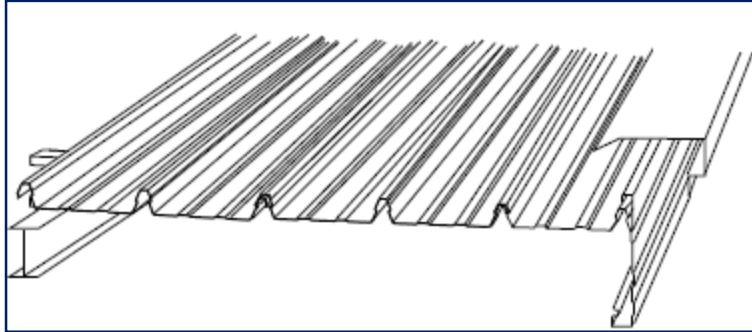
Step 5a

Part sheet cut longitudinally leaving full centre rib. If the space left between the last full sheet and the fascia or parapet is more than a half sheet width, a sheet can be cut longitudinally, leaving the centre rib complete. This partial sheet can be fully clipped onto a row of clips as for a full sheet, before installing the capping or flashing. If the space left between the last full sheet and the fascia or parapet is less than a half sheet width, it can be covered by the capping or flashing. In this case, the last sheet should be secured by cutting sheet in halves and fastening the under lapping rib at each purlin with a half sheet. Similarly, a half clip may also be used if required. In this case, where a partial sheet of less than two ribs is used, it is necessary to turn up the lip along the edge of the cut sheet. This can then be covered by the capping or flashing.



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Step 5b: Last rib fastened with half sheet and covered by capping or flashing.



All descriptions, specifications, illustrations, drawings, data, dimensions and weights contained in this catalogue are approximations only. They are a general description for information and identification purposes and do not create a sale by description.

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