

Constructive Advice On Installing Your Metal Roof Cladding

PLEASE READ BEFORE INSTALLATION

The points below relate to years of experience in the metal roofing business and will ensure reduced occurrence of corrosion and a strong, high quality installation.

 Use the Recommended Screws for strength and durability. BRC's Buildex® CS4 RoofZip® fasteners are specially designed for harsh environments and are stronger than typical roofing screws.

 Cut Permaclad® and Colourclad® Roofing Materials with tools utilizing a Shearing Action e.g. tin snips (metal scissors) or an electric nibbler. Be sure to protect your eyes by wearing safety goggles and your hands with gloves.

 Never use an Angle Grinder, Chop Saw or Abrasive Cutting Disc; metal filings resulting from the cut are hot and will adhere to the surface of the material and will rust and pit the surface.



Fig.1 Rusted speckles from metal filings that were sprayed across the sheet by cutting with an angle grinder

Never grind any metals in the vicinity of new sheets

 Thoroughly sweep the roof with a soft broom after installation to ensure that all filings are removed from the surface.

Accumulations of swarf/debris can cause unsightly rust stains, retain moisture to accelerate corrosion and scratch paint/protective coatings.

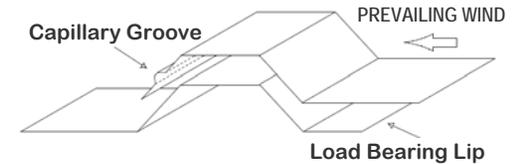
A water hose may be used to wash debris from confined areas e.g. under solar panels.

Place Purlin Tape or a suitable non-porous barrier between the eave purlin and the roofing sheet to prevent corrosive salts in moist treated lumber from attacking the sheets.

 Ensure that all other tradespersons working on the roof remove all debris that they create. Installers for Solar Water Heating, HVAC, Photo Voltaic, TV & Internet services may create debris including: off cuts of metals / PVC / wood, solder, rivets, screws, electrical cable, metal filings, wood shavings etc.



Lap sheets correctly with the capillary groove to the top of the lap and with the lap seam down-wind of the prevailing wind direction.



Avoid cutting holes through sheets for pipes and cables wherever possible.

If you must, Use BRC's Dektite® Flashings; the essential way to flash and seal pipe penetrations through most roof sheet profiles.

Ensure that penetrations are spaced to allow the installation of a Dektite Flashing for each pipe/cable.



Consider inserting an Extra "Blind" Purlin, set mid-span between the two top & two bottom purlins to provide additional support for foot-traffic and help to prevent panel dents & water ponding at the eaves especially.

Keep foot traffic over installed or stored sheets to an absolute minimum as this can result in deformed or cracked sheets and damage to the coating/paint finishes. If unavoidable and when installing, use shoes with soft soles and walk in the flat supported areas of the sheets.



Do Not install roof sheets over rotten timber or where nails / fasteners protrude from the roof structure.

Do Not rest ladders on the edge of sheets; use the fascia board or wall.

Do Not Drag the top sheet from a stack when moving it. Lift it from the stack as dragging may damage coating/paint finishes.

Do Not use lead pencils to mark Permaclad® and Colourclad® sheets; the carbon in the pencil promotes corrosion which will etch the surface, leaving a permanent mark. Mark sheets using a chalk line or water soluble marker.



Do Not allow dissimilar metals or water runoff from dissimilar metals to come into contact with Permaclad® & Colourclad® sheets; even water run-off from HVAC & Solar water systems. More active materials (e.g. Permaclad) will suffer accelerated corrosion if in contact with less active materials (e.g. lead, copper, stainless steel). If unavoidable, place an insulator between dissimilar materials e.g. BRC Purlin Tape.

If you have any question on installing BRC roofing materials please call BRC at (246)425-0371 and we will be glad to offer any guidance needed.