

Setting screws

Avoid over or under driving screws. Screws shall be driven ensuring that the rubber seal is only slightly compressed.



Screw line

Always run a string line or snap a chalk line to ensure that all screws are driven inline, and into the center of the purlin or batten.

Foam closures

Foam closures manufactured from water proof closed cell foam are available to seal the ends of profiles. The closures will prevent water, dust, rodents, birds, and other pests from entering the structure.



Clean up

At the end of each working day, use a soft broom or blower to remove all swarf and offcuts from newly laid cladding. Failure to do so will cause unsightly stains and may reduce the service life of your cladding.

Maintenance

Cleaning SmartClad on a regular basis will maintain its good looks as well as extending the life of the product.

It is not recommended to paint, or touch up SmartClad products.

Further information

Refer to our website for further information about SmartClad, and our other products.

www.dependablesteel.com

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Dependable
Steel

SmartClad

Technical guide

Installation



Safety

Before commencing sheet laying, consult applicable OHS policy. Ensure that appropriate fall arrest systems are in place, and that workers are using proper PPE including gloves, safety glasses, and non slip shoes.

Storage

Store sheets indoors if possible. If storing sheets outside use wooden blocks to keep the sheets off the ground and sloped to encourage water runoff. If possible cover the sheets with a tarpaulin.

Handling sheets

When handling SmartClad always lift, and never drag the sheets. Dragging causes severe scratching of underlying sheets damaging the paint and anti corrosive coatings.

Cutting

Cut sheets using tin snips, powered shears or a powered nibbler. NEVER USE AN ANGLE GRINDER TO CUT SMARTCLAD SHEETS. Do not use lead pencils to mark SmartClad.

Incompatible metals

Never allow other metals such as copper, lead, or stainless steel fittings to come into contact with SmartClad. These metals react with and consume the anti corrosive coatings.

Laying direction

Always lay sheets moving into the prevailing wind direction as each sheet is laid.

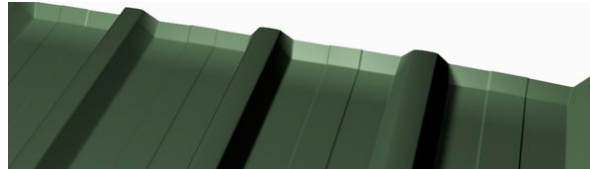


Joint sealing

Adjacent sheets, and end laps should be sealed with a bead of neutral-cure silicon, which can be supplied by Dependable Steel.

Stop ending

Use a turn up tool, or multi-grips to turn up the ends of the valleys at the high end of the roof under the ridge flashing to prevent the entry of wind blown water.



End lapping

Ideally sheets should be ordered in one complete length. If sheets need to be lapped use the following table.

Lapping table	
Walls	100 mm – 200 mm
Roof slope > 15 degrees	150 mm – 250 mm
Roof slope < 15 degrees	200 mm – 300 mm

Fasteners

The type and quality of the fastening system used on your project is critical for achieving required structural strengths, and service life.

We strongly recommend avoiding cheap fasteners purchased in the local market. These fasteners rarely meet any sort of standard and will quickly corrode causing nasty rust stains, and may compromise structural design criteria.

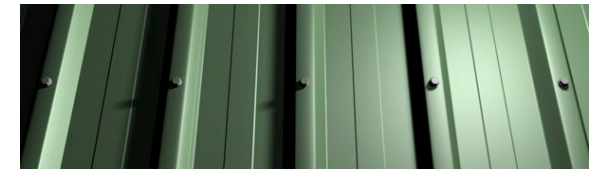
Dependable Steel carries matched fasteners which are coated to AS3566 Class 3 coating standards, and will achieve nominal structural requirements. See our fastening guide for further information.

Fastener table

On steel purlins	
Roof-ridge fixing	M5.5–45mm self drilling screws with EPDM seal.
Wall -valley fixing	M4.8–16mm or M4.8–20mm self drilling screws with EPDM seal.
Hard and Soft wood battens	
Roof-ridge fixing	M5.5–65mm type17 self drilling screws with EPDM seal.
Wall -valley fixing	M4.8–25mm type17 self drilling screws with with EPDM seal.

Roof fastening

Roof sheets shall be fastened by placing a 45mm screw (steel fixing) or a 65mm screw (wood fixing) at every ridge into the purlin, or batten.



Wall fastening

Wall sheets shall be valley fastened placing a 16–20mm screw (steel fixing), or a 25mm screw (wood fixing), at every valley valley into the purlin or batten.

