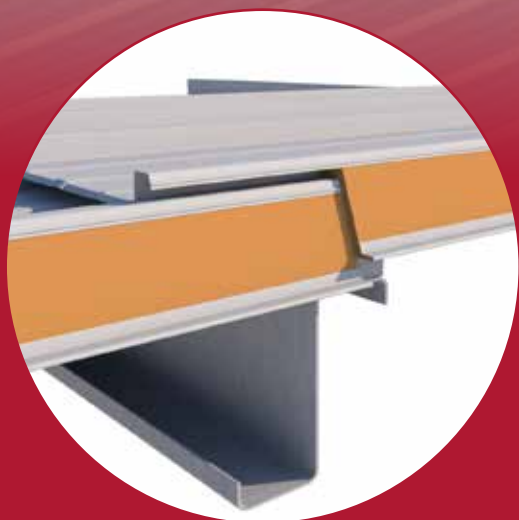


securelap[®]
by BONDOR



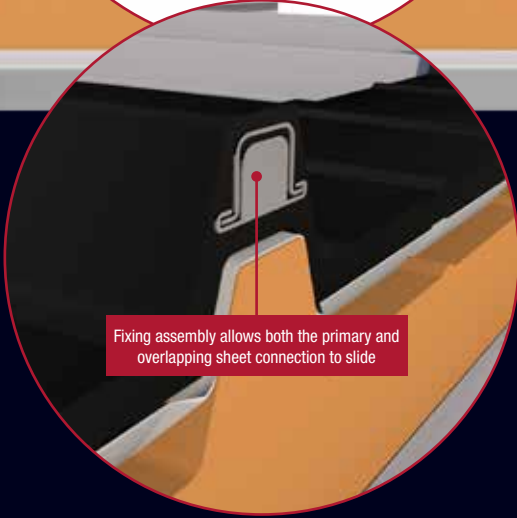
End-Lap Solution

Weather Tested, conducted by CSIRO

- Thermal Movement Allowance
- No Sealant or Butyl Tape
- Fixed Over Single Purlin
- Allows Roof Turnup
- Bluescope Steel endorsed

BONDOR[®]
Leaders in Thermal & Architectural Building Solutions

Commercial Roof Systems



Bondor SecureLap addresses all the major concerns associated with current end-lapping techniques for insulated panel roofing while still allowing connection over one purlin.

Weather Tested, conducted by CSIRO

Current lapping systems rely on silicone sealant or multiple runs of butyl tape. This sealant or tape can become compromised during roof panel alignment. Tested to 2°, SecureLap allows the underlap sheet to be turned up (weathered) providing a mechanical barrier to water ingress while the compressive closed cell sealing system stops wind driven rain entering the lap connection. No sealant or butyl strips are required and SecureLap is Weather Tested, conducted by CSIRO, to Australian Standards (AS/NZ 4046.9-2002) confirming suitability for Australia's harsh conditions.

Thermal Movement and Sheet Connection

The patented SecureLap assembly provides a flexible 75 mm wide sealing strip, moulded to suit the roofing profile. It includes the steel rib fixing assembly within the moulding. This fixing assembly allows both the primary and overlapping sheet connection to slide to facilitate minor thermal movement common in this type of connection.

Risk Mitigation and Warranties

Current end-lapping techniques often allow the upper and lower level sheets to be in physical contact. During the wet/dry cycle, the protective coating on the steel sacrifices itself to protect the lap cut edge. When the protective zinc coating around the cut edge is exhausted, the cut edge, seeking further protection, attacks the over-lapping sheet. This can ultimately lead to premature failure. In some long run applications thermal movement can shear end-lap fixings and compromise sealant barriers resulting in water ingress. The SecureLap system has been endorsed by Bluescope Steel.



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