

WarmSpan²

Version: 1.0

Steel Deck Substrate

Mechanically Fixed WarmSpan² System

Date Started	
Approved Applicator Company	
Viking Licenced Installer	
Project Name & Address	
Main Contractor	
Membrane Type	
Add any notes or comments:	

- Reverse the metal profiles so that what is traditionally the rib now gets fixed to the purlin.
- Chamfer all external edges of Timber or Plywood with a minimum radius of 5mm
- Cavity ventilation is not required for a Warm Roof system which meets or exceeds the minimum R-value requirements for the Climate Zone.
- Vapour Control: Vapour control layer may be required, which will be determined by a Dew-point analysis if requested of Viking Roofspec. Information required...
 - Components with roof to ceiling structure, including any new or existing insulation
 - Site Location.
- All Components Drains / Overflows and Scuppers must be membrane type compatible.
 - Note that TPO membranes cannot be welded to Stainless Steel scuppers or sumps.
- Ensure you have clearly ordered the correct membrane, colour and thickness for your project.
- Ensure minimum falls are provided with the substrate. E2/AS1 8.5.1 Limitation states:
 - 2° for roofs (1:30 or 34mm/mt), 1:100 for internal gutters (10mm/mt).

NOTES:

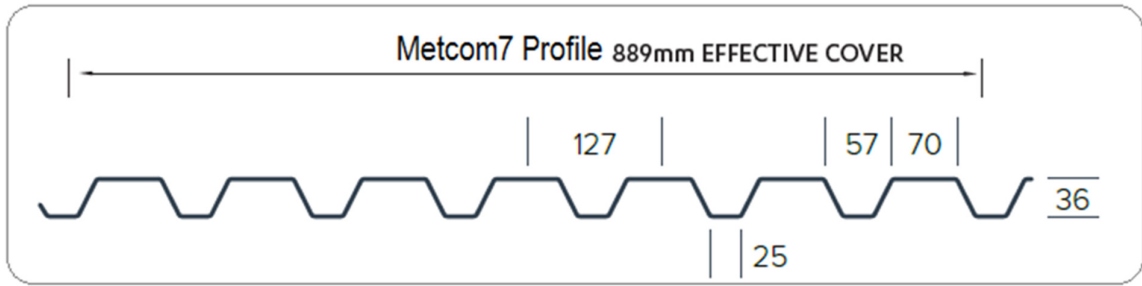
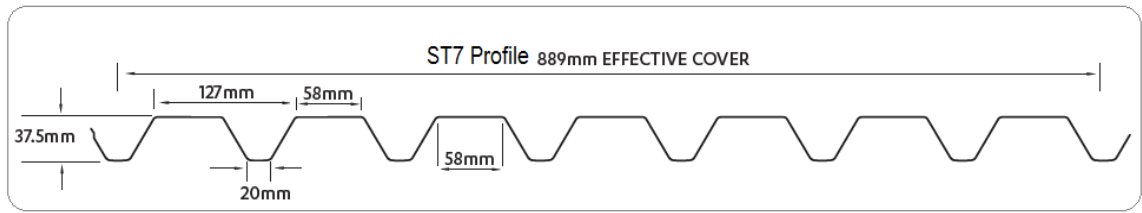
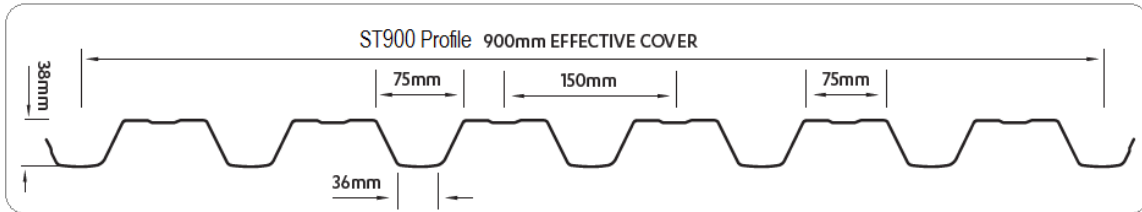
- Mid-span requires 3 purlins, End-span is 2 purlins
- Controlled Traffic Supports 1.1kn to PAN at Mid-Span (112kg)
- 150mm maximum overhang at sheet ends (Drip-edge)
- Soffits at sides will require full structural support of the metal profile
- Protection of substrate and completed roof areas are a requirement.

Steel Deck Profiles

Steel Deck Profiles		
Steel Deck Profiles (location where profile is formed)	Mid-Span	End-Span
ST900 .55g - Steel & Tube	1.800mt	1.800mt
ST7 .55g - Steel & Tube	1.800mt	1.800mt
Metcom7 .55g - Metalcraft	1.800mt	1.800mt
BB900 .55g - Dimond Roofing	1.800mt	1.600mt
MultiRib .55g - Roof Industries	1.800mt	1.800mt

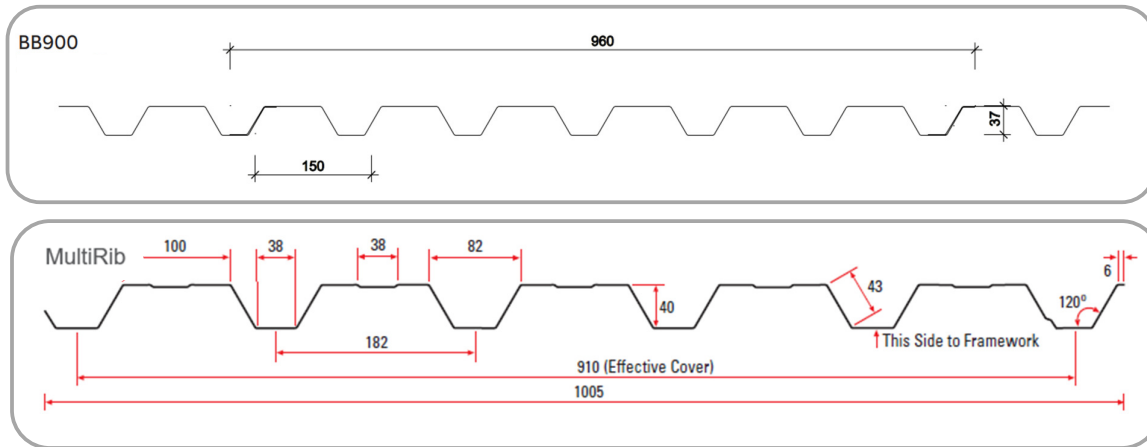
Fixings min. C4 Galv	Timber Purlin	Steel Purlin
Fixings through every Pan (trough) into every purlin	VWS130	VWS131
Unitite Hex Washer Head with Seal	12G x55	12G x35
(Metal sheets to be inverted so that rib now becomes the Pan)	12G = 5.5mm	12G = 5.5mm

PROFILES AS INVERTED



July 2023

SUBSTRATE CHECKLIST



Notes: If you have a query regarding this substrate specification please call Viking on 0800 729 799.

- ✓ Correct substrate installation is critical to the durability and performance of the membrane.
- ✓ Failure to strictly comply with substrate specification may affect the product warranty.
- ✓ Refer to Viking Enviroclad Product Warranty for further details.
- ✓ All construction should comply with the New Zealand Building Code. Contact your local council for further details.
- ✓ Communication between the Viking Approved Applicator and Construction Company will assist to ensure this specification is met. Information regarding our products, specifications and warranties is available at www.vikingroofspec.co.nz.

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