

WarmSpan¹

Version: 1.0

Steel Deck Substrate

Fully Bonded 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 Roofspect. 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:

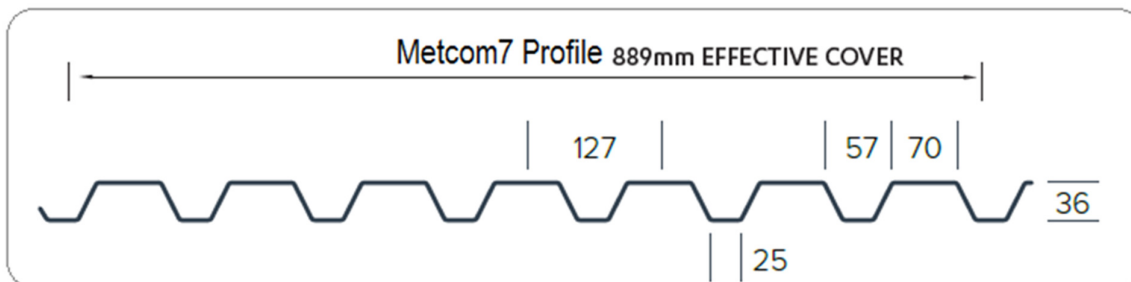
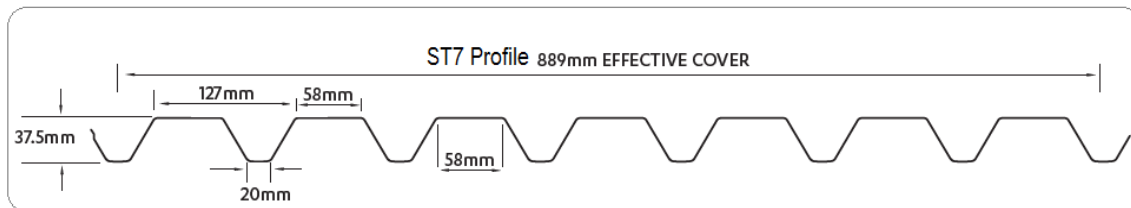
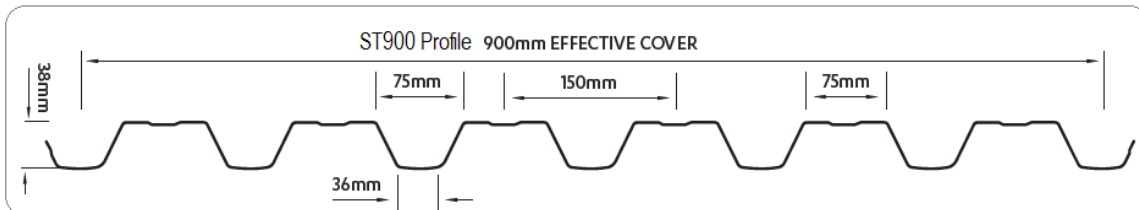
- Mid-span requires 3 purlins, End-span is 2 purlins
- Controlled Traffic Supports 1.1kn to PAN at Mid-Span (112kg)
- 150mm maximum overhang at sheet ends (Drip-edge)
- Soffits at sides will require full structural support of the metal profile
- Protection of substrate and completed roof areas are a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

Steel Deck Profiles

| Steel Deck Profiles | | |
|---|----------|----------|
| Steel Deck Profiles (location where profile is formed) | Mid-Span | End-Span |
| ST900 .55g - Steel & Tube** | 3.500mt | 2.800mt |
| ST7 .55g - Steel & Tube** | 2.950mt | 1.950mt |
| Metcom7 .55g - Metalcraft** | 3.600mt | 3.600mt |
| BB900 .55g - Dimond Roofing | 1.800mt | 1.600mt |
| MultiRib .55g - Roof Industries | 1.800mt | 1.800mt |
| *Recommendation will always be 1.800mt Mid and End Span (excluding BB900) | | |
| **For spans up to 3.5m please review the Holmes Engineering Report | | |

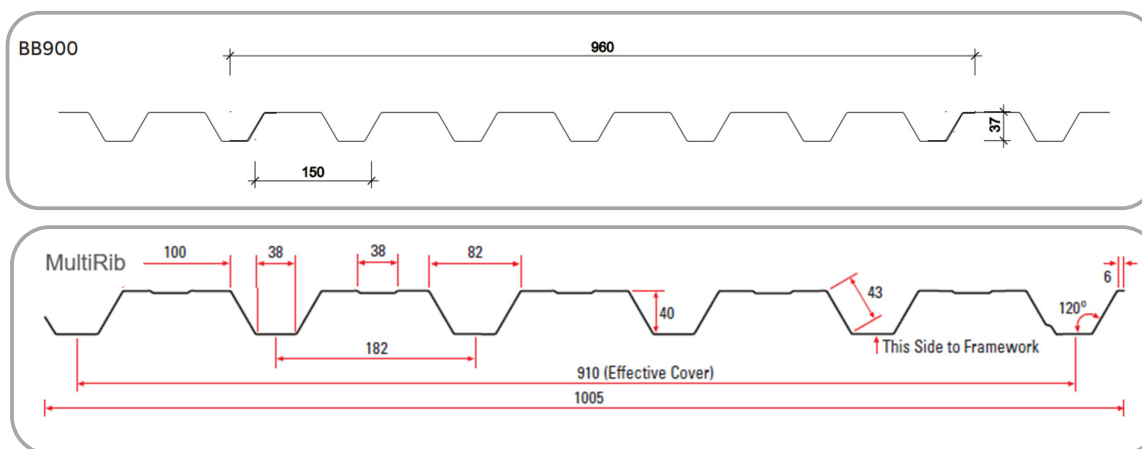
| Fixings min. C4 Galv | Timber Purlin | Steel Purlin |
|---|---------------|--------------|
| Fixings through every Pan (trough) into every purlin | VWS130 | VWS131 |
| Unitite Hex Washer Head with Seal | 12G x55 | 12G x35 |
| (Metal sheets to be inverted so that rib now becomes the Pan) | 12G = 5.5mm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