

WarmSpan²

Version: 1.0

Timber 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:	

- Minimum thickness 17mm, *H1.2, DD face Grade, Tongue & Groove (T&G) F8 structural plywood that meets AS/NZS 2269 (*H3.2 treatment, or CD face grade, or square edge with fully supported sheet joints, are all acceptable plywood alternatives).
- Framing main supports at 900mm maximum centres (in one direction) with use of above plywood specification. Nogs required at all roof perimeters, valleys or hips. Sheet end-joints must be fully supported. T&G sheet joints do not require nogging.
- Plywood laid with face grain at right angles to main supports.
- Plywood is to be laid with staggered joints in a brick-bond pattern with a 3mm expansion gap between sheet ends. Tight butt T&G sheet joints.
- Plywood screw-fixed with 10g x 50mm counter-sunk screws at 150mm centres at sheet edges and 200mm centres throughout the body 'field' of the sheet. All screws to be counter sunk 1-2mm.
- Fasteners to be 15mm from tongue and groove edges.
- Screws to be Stainless Steel if installing H3.2 CCA treated ply or timber framing.
- Where possible keep plywood dry during construction. Do not install vapor barrier to saturated plywood. (plywood must be below 18% moisture content prior to internal linings being installed).
- No cavity ventilation is required when the cavity is fully sealed and encapsulated by the thermal envelope and where minimum R-value of thermal envelope meets the requirements of the relevant climate zone.
- All outlets and overflows are membrane compatible. Note that TPO membranes cannot be welded to stainless steel scuppers or sumps. Drains must have clamped grates.
- Ensure compliant falls. **2° for roofs (1:30 or 34mm/mt), 1.5° for decks (1:40 or 25mm/mt) and 1:100 (10mm/mt) for internal gutters.**

**Please ensure you have ordered the correct membrane, colour and thickness for your project.

July 2023

SUBSTRATE CHECKLIST



NOTES:

- Correct substrate installation is critical to durability and performance of the membrane.
- Failure to strictly comply with substrate specification may affect product warranty.
- All constructions should comply with the New Zealand Building Code. Contact your designer or local Building Consent Authority for further advice.
- Communication between the Applicator and Construction Company will assist to ensure specification is met.

Information regarding our products, specifications and warranties is available at www.vikingroofspec.co.nz If you have a query regarding this substrate specification, please call Viking on 0800 729 799

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