November 2026

SUBSTRATE CHECKLIST PLYWOOD

Viking WarmRoof

Version 1.1

Plywood

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

Viking Roofspec can accept the maximum support spacing provided in Table 15C of CCH Ecoply Specification Guide *(increase in thickness of plywood allows greater support spacing)*

- **Roof framing supports** at 400mm in one direction and Nogs/ Blocking at the sheet edges (all plywood edges supported) use 17mm minimum thickness (CCA or MCA H3.2 treated), structural plywood **(Do not use tongue & groove plywood)**
- Plywood must be structural grade complying with AS/NZ 2269.0:2012. Face veneers must be of a minimum 2.4mm thickness (1.72mm post sanding). Product ID will read 17-24-7 (17mm thick) (face veneer mm x 10) (number of veneers)
- Plywood laid with face grain at right angles to supports. Minimum CD grade with the sanded C face upwards
- Plywood is to be laid with staggered joins in a brick-bond pattern with a 3mm expansion gap between sheets.
- Plywood screw-fixed with 10g x 50mm S/S counter-sunk screws at 150mm centres at all sheet edges and 200mm centres through the body of the sheet. All screws to be counter sunk 1-2mm.
- Chamfer all external roof edges with a minimum radius of 5mm. eg. parapet edges and downturns to internal gutters
- Plywood must be kept dry at all times during construction. Blow/torch drying the plywood surface prior to membrane application does **NOT** comply. Plywood and framing supports should not exceed **18% moisture content.**
- No cavity ventilation is required for a Viking WarmRoof system that meets or exceeds the minimum R-value requirements of the climate zone.
- Installation of the contingency outlets are competed are per specification Note: Ideally ensure contingency outlet is located at the lowest practicable point of the substrate.
- All outlets and overflows are membrane compatible. Note that TPO membranes cannot be welded to stainless steel scuppers or sumps. Outlets/overflows must have clamped grates.
- For nominal thickness PIR WarmRoofs, ensure compliant substrate falls. E2/AS1 8.5.1. limitations state 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. **For falls below this refer to Viking Codemark Certificate CMNZ70176 providing 0.72° (1:80 or 12.5mm/mt minimum fall)**

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- Tapered PIR WarmRoofs, require zero fall substrates. Ensure compliant PIR falls for membrane installation. E2/AS1 8.5.1. limitations state 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. **For falls below this refer to Viking Codemark Certificate CMNZ70176 providing 0.72° (1:80 or 12.5mm/mt minimum fall)**

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

NOTES:

- Cover the substrate to keep it dry, ensuring the waterproofing membrane can be installed when needed. Communicate early with your Viking Approved Applicator on the project scheduling to ensure weather exposure is kept to a minimum.
- Correct substrate installation is critical to durability and performance of the membrane.
- Failure to strictly comply with substrate specification may affect product warranty. Refer to Product Warranty for further details.
- All construction should comply with the New Zealand Building Code. Contact your local council 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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