

Butylclad & Epiclad

Version: 1.1

Plywood

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

- 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**) Viking Roofspec can accept the maximum support spacing provided in Table 15C of CCH Ecoply Specification Guide
- Minimum thickness 17mm, F8, CCA H3.2 treated, structural plywood (not LOSP treated), CD GRADE with C face upwards. 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.
- Plywood is to be laid with staggered joints in a brick-bond pattern with a 3mm expansion gap between sheets. **25mm bond-break tape is required** over all ply sheet joins prior to membrane to application.
- Plywood screw-fixed with 10g x 50mm S/S counter-sunk screws (75mm min if using timber castellated battens) at 150mm centres at all sheet edges and 200mm centres through the body of the sheet. All screws to be counter sunk 1-2mm.
- Angle Fillets at the base of all upstands. min. 20mm**
- Chamfer all external edges with a minimum radius of 5mm.
- Plywood is to 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 prior to installation.**
- *For roofs and roof decks over living spaces, all insulated cavities must be ventilated in accordance with E2/AS1 8.5.2. No cavity ventilation is required for a Viking WarmRoof / WarmSpan system that meets or exceeds the minimum R-value requirements of the climate zone.
- All outlets and overflows are membrane compatible. Outlets/overflows must have clamped grates
- Ensure compliant 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**
- Please ensure you have ordered the correct membrane, colour and thickness for your project

**Substrate venting may be achieved with the non-visual roof by introducing castellated timber battens to the top of joists or rafters. Viking Roofspec suggests designers and constructors' increases the length of the 10g Stainless Steel screws to 75mm minimum to maintain structural integrity in accordance with NZS 3604.*

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. Substrate movement may occur due to several factors, including incorrect substrate installation, seasonal conditions or within the design for substrate expansion allowance. Movement of substrate can produce a wrinkle or 'Tenting' in all types of membrane. As it is created by movement of the substrate itself this is not a product fault and as such, is not covered under the product warranty; however, the durability and waterproofing guarantee is not affected if Tenting is exhibited.
- *Cold Roof Venting: E2/AS1 notes: Closed-in construction spaces under membrane roofs and decks require adequate ventilation to prevent the accumulation of moisture under the membrane. Maintain a minimum gap of 20 mm between the underside of the substrate and any insulation, and for membrane roofs greater than 40 m², refer to manufacturer's details for substrate vent options.*
- All constructions 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

Auckland office

80 Alexander Crescent,
Otara PO Box 14-541,
Panmure, Auckland
1741, New Zealand

Christchurch office

2 Nazareth Avenue,
Middleton, PO Box
9117, Tower Junction
Christchurch 8149,
New Zealand

Wellington office

19 Pretoria St,
Lower Hutt 5010,
New Zealand

T: 0800 729 799

F: 0800 729 788

info@vikingroofspec.co.nz
www.vikingroofspec.co.nz

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