

Viking Torch-On

Version: 1.0

Plywood

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

Viking Roofs spec 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 H3.2 treated), structural plywood (**Do not use tongue & groove plywood**)
- Deck framing supports** at 400mm in one direction and Nogs/ Blocking at the sheet edges (all plywood edges supported) use 17mm minimum thickness (CCA H3.2 treated), structural plywood (**Do not use tongue & groove plywood**)
- 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 joints in a brick-bond pattern with a continuous bead of suitable construction adhesive on top of timber supports. Sheet edges to be carefully glued with a continuous bead of suitable construction adhesive (no spot gluing) and tight butt-jointed. Once sheets have been placed together remove any excess adhesive by scraping the joint with a chisel. Ensure joints and sheets are not walked on within two hours of application. When fully cured remove excess and sand off joints
- Leave a 5mm minimum expansion gap around the perimeter of the plane. The fixing specification allows for a maximum 50m2 without expansion joints (dependant on design). 5mm expansion joints should be used on areas over 50m2. For further information regarding placement of expansion joints for your design, please contact the building designer or Viking Roofs spec.
- 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
- Provide minimum 20mm timber fillets at the base of all upstands. Viking Roofs spec recommends using (IMT603) Bitumen Fillets
- 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 to be at no more than 20% moisture content
- For roofs and roof decks over living spaces, all insulated cavities must be ventilated in accordance with E2.3.5. No cavity ventilation is required for a Viking WarmRoof system that meets or exceeds the minimum R-value requirements of the climate zone.
- Consider constructing Cross Ventilation with Timber Castellated battens directly under the ply substrate.

July 2023

SUBSTRATE CHECKLIST

- All outlets and overflows are membrane compatible. Drains 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
- 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
- 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.vikingroofspect.co.nz. If you have a query regarding this substrate specification, please call Viking on **0800 729 799**

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