

- Framing supports at 400mm centres (in one direction). All plywood edges must also be supported. **Do not use tongue and groove plywood.** Viking Roofs spec 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)
- Minimum CD grade with the sanded C face upwards
- 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 recommended over ply sheet joints prior to membrane application. **If roof is visual consider using the Viking Dec-K-ing substrate checklist to minimise plywood movement within 50m<sup>2</sup> areas**
- 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 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 be **20% moisture content**
- 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 system that meets or exceeds the minimum R-value requirements of the climate zone
- 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
- 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**  
\* a minimum of 2° is required in Auckland
- 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
- 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.vikingroofs spec.co.nz** If you have a query regarding this substrate specification please call Viking on **0800 729 799**