

Substrate Checklist : Plywood for Pitched

- Plywood sheathing - Minimum 15mm thick, DD grade, F11, complying with AS/NZS2269. Minimum treatment requirements are untreated for ventilated truss roof cavities above 12° and H3 treated plywood for all closed cavity roofs, skillion roofs, and roofs 9° - 12°.
- Frame spacings. Refer current CHH Roofing Span table 15A.**
15mm F11 Roofing Plywood, maximum framing support spaces...
 - **900mm** centres for roof pitches **greater than 20°** in all wind-zones up-to and including 'Very High'.
 - **800mm** centres for all 'EXTRA-HIGH' Wind zones and roof pitches **9° - 20°**.
- Plywood laid with face grain at right angles to supports. Plywood laid with staggered joints in a brick-bond pattern.
- Square edge plywood must be fully supported using a minimum of 75mm x 50mm framing. *Nogging within the body of the roof is not required when using T & G plywood.
- T & G Roofing plywood to be tight / butt-joined. With a 2mm - 3mm expansion gap at sheet-ends over the main supports. Square edge plywood requires a 2-3mm expansion gap between plywood sheets on all edges.
- Plywood sheets must be continuous over at least two spans (three framing members).
- Nogging / Dwang supports to support plywood edges at the ridge, gutter and valleys.
- Fixings. Use 60 x 2.8mm ring-shank Galv or Stainless nails, fixed as per the spacings provided in tables 3 and 4 of BRANZ appraisal # 276. Maximum spacings are 150mm. Fixings must be positioned no closer than 10mm from the sheet edges.
- *Plywood is to be kept dry at all times during construction. Plywood moisture content no greater than 18% prior to installing underlay and shingles
- Ventilation. A continuous gap of 25mm is required between the underside of the plywood sheet and insulation. Construct substrate to allow ventilation to be equally distributed at the eave intake and ridge vent; this will ensure free airflow directly under the Plywood substrate. Ensure a minimum 25mm ventilation gap along all ridges.
- Ensure plywood does not protrude into the gutter and that the plywood is capped with a metal drip edge flashing as per Viking Roofspec's standard Drip-edge / spouting detail.
- Please ensure the minimum pitch of the substrate is 9° for Plywood substrate as per BRANZ Appraisal #276 and Viking Roofspec specification.
- When fixed in accordance with the technical literature, plywood substrate is suitable for use in all NZS 3604 building wind zones, up to, and including, Extra High.

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 installation is critical to the durability and performance of the shingle system. Failure to strictly comply with the Substrate Specification may result in the decline of the product warranty. Refer to Viking Roofspec for further details.
- All construction must comply with the New Zealand Building Code. Contact your local council for further advice

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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