Substrate Checklist : CertainTeed Plywood

- [ ] Plywood sheathing - Minimum 15mm thick, DD grade complying with AS/NZS2269. Minimum treatment requirements are untreated for ventilated truss roof cavities above 12º and H3 treated plywood for all closed cavity roofs, skillion roofs, and roofs 12º and below.
- [ ] Frame spacings. Refer current CHH Roofing Span tables. 15mm F11 Roofing Plywood, framing supports at maximum 900mm centres for Slopes greater than 20 degrees in all wind-zones up to and including 'very high'. For slopes of 10-20 degrees in 'very high' Wind-zones framing supports must be at a maximum 800mm centres for 15mm F11 Roofing Plywood. Otherwise use 17mm F11 Roofing Plywood at 900mm.
- [ ] Plywood laid with the 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 plywood is to be butt jointed on edges with a 2-3mm expansion gap at sheet ends. 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).
- [ ] Nog plywood edges at the ridge, gutter and valley.
- [ ] Fixing. Use 60 x 2.8mm ring-shank Galv or Stainless nails, fixed as per the spacings provided in table 3 and 4 of BRANZ appraisal no 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. Construct substrate to allow minimum ventilation of 1/300 of the ceiling plan area (3350mm2 per square metre of ceiling) equally distributed at the eaves and ridge to allow free air flow under the Plywood substrate. Ensure a 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 gutter detail.
- [ ] Please ensure the minimum pitch of the substrate is 10 degrees as per the Branz Appraisal and Viking Roofspec specification.

Notes:

- Correct substrate 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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Taking care of detail

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Version 1.1

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