



SUBSTRATE CHECKLIST TORCH-ON PLYWOOD

- Framing supports at 400mm centres for 17mm ply (in one direction). All plywood edges must also be supported.
- Do not use tongue and groove plywood.
- Framing supports at 600mm centres for 19mm ply (in one direction). All plywood edges must also be supported.
- 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 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 2 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 your Allco Representative .
- Plywood is screw-fixed with 10g x 50mm SS counter-sunk screws at 150mm centres on all sheet edges and at 200mm centres through the body of the sheet. All screws to be countersunk 1-2mm.
- Provide min. 20mm timber fillets at the base of all upstands.
- 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 18%moisture content.
- For Roofs and Roof Decks over living spaces, all cavities must be ventilated and insulated in compliance with clause H1 NZBC. - 1 vent for the first 40m² and one for every 50m² thereafter. Cavity ventilation is not required for a Warm Roof system which meets or exceeds the minimum R value requirements. All drains and outlets are membrane compatible. Refer to your Allco Representative prior to installation if unsure.
- Please ensure you have clearly ordered the correct membrane, colour and thickness for your project. Ensure minimum required falls are met. E2/AS1 2011 states 2° for roofs (1:30 or 34mm/mt), 1.5° for decks (1:40 or 25mm/mt) and 1:100 for internal gutters (10mm/mt) .

If you have a query regarding this substrate specification please call your Allco Representative on 09 448 1185

NOTES

- * Cover the substrate to keep it dry, ensuring the waterproofing membrane can be installed when needed. Communicate early with your Allco Approved Applicator or your Allco Representative the project scheduling to ensure weather exposure is kept to a minimum.
- Correct substrate installation is critical to the durability and performance of the membrane.
- Failure to strictly comply with substrate specification may affect the product warranty.
- All construction should comply with the New Zealand Building Code. Contact your local council for further details.
- Communication between the Applicator and Construction Company will assist to ensure this specification is met.