



SUBSTRATE CHECKLIST

TPO PLYWOOD

- Framing supports at 400mm centres for 17.5m ply (in one direction). All plywood edges must also be supported.
- Do not use tongue and groove plywood.
- Framing supports at 600mm centres for 19.5m 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 to be laid at right angles (90 degrees) to supporting timber.
- Plywood is to be laid with staggered joints in a brick bond pattern with a 3mm expansion gap between plywood sheet edges.
- 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 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 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. Note that TPO membranes cannot be welded to Stainless Steel scuppers or sumps. Accessories must have Clamped Grates or be TPO weldable.
- 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 Alco 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 Alco Approved Applicator or your Alco 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.