



NELSON AIRPORT

RL System: Ultratherm Xtreme (FiberTite)
Project Size: 5,000m²
Location: Nelson
Project Date: 2019

Architect: Studio Pacific Architects
Contractor: Naylor Love
Installer: SWP Commercial

PROJECT DESCRIPTION

Nelson Airport features a new passenger terminal constructed with a cross-laminated timber structure. The roof panels were assembled on the ground, then lifted into position using cranes. The final stage of weather-proofing occurred after securing the triangular roof sections in place. The intricate roof geometry posed distinctive challenges for the membrane installers, requiring precise completion of numerous junctions and details to ensure long-term weather-tightness. Most roof areas were installed in conjunction with RoofLogic's own structural steel base deck along with some more traditional structural plywood substrates.

The system achieved impressive thermal performance and effectively managed condensation risk. The high-density RL Roof Board HDP provides strength, trafficability, wind uplift resistance, and acoustic performance. FiberTite membrane excels in seam strength, puncture resistance, chemical resistance, and

long-term durability. The system's design allows for the pre-fabrication of intricate geometric shapes, simplifying the construction process. Notably, FiberTite membrane's exceptional hydrocarbon resistance makes it an ideal choice for ensuring long-term durability in aviation environments.

SPECIFIED ROOFLOGIC SYSTEM

RoofLogic's Ultratherm Xtreme (FiberTite) system:-

- RL Structural Steel Base Deck
- RL Vapour Control Layer
- RL PIR Board (60mm.)
- RL Roof Board (HDP)
- Fibertite KEE Membrane.

