



THE PĀ

RL System: Ultratherm Xtreme (Derbigum)
Project Size: 6,500m²
Location: Hamilton
Project Date: 2023

Architect: Jasmax, Architectus, DesignTribe
Contractor: Hawkins Limited
Installer: Watertight Roofing

PROJECT DESCRIPTION

The Pā, a striking new structure at University of Waikato's Hamilton campus, is now officially open. Designed by a collaboration between Jasmax, Architectus, and DesignTribe, this landmark building boasts colossal wooden glulam beams – some of the largest engineered in New Zealand – serving as the structural foundation for the membrane roof.

The impressive beams emerge from the centre of the building, defining its sweeping roofline. The RoofLogic Ultratherm Xtreme roof system incorporates an Olivine Derbigum Membrane, a premium CO²-neutralizing material composed of reinforced APP polymer modified bitumen. The olivine (magnesium iron silicate) granules within the membrane trigger a chemical reaction in rainwater and convert CO² into harmless substances, including silicon dioxide (sand), magnesium carbonate (an inorganic salt), and water.

One square meter of Derbigum Olivine has the capacity to neutralize approximately 1.75kg of CO². This roofing solution is versatile, suitable for use as a torch-on cap sheet in RoofLogic Ultratherm Xtreme systems and Recover refurbishment projects.

SPECIFIED ROOFLOGIC SYSTEM

RoofLogic's Ultratherm Xtreme (Derbigum) system:-

- RL Base Deck
- RL Vapour Control Layer
- RL PIR Board
- Roof Board HD
- RL Derbicoat Base Sheet
- RL Derbicolour Olivine Capsheet
- Fixings, washers, primers and adhesives

