



# CUBA ST PRECINCT

## 100 CUBA STREET

**RL System:** Ultratherm Xtreme (FiberTite)  
**Project Size:** 7,000m<sup>2</sup>  
**Location:** Wellington  
**Project Date:** 2020

**Architect:** Athfield Architects  
**Contractor:** LT McGuinness  
**Installer:** SWP Commercial

### PROJECT DESCRIPTION

The Cuba Street office and retail component of the Cuba Street Precinct spans three iconic neighbouring buildings all of which have been strengthened to greater than 100% NBS and refurbished, and are now known as 100 Cuba Street. The upgrade retained and incorporated an existing heritage façade with a striking new structure. The Cuba Precinct is integral to the Cuba Quarter renaissance.

Integrating a heritage structure with a new design brought unique challenges in roof design and detailing. To ensure the roof could function as a structural diaphragm, 21mm plywood was used for the roof structure, while some of the existing low-pitch sections were retained. The building's location subjected the roof to wind pressures of up to 7.0 kPa, requiring expert input from RoofLogic's structural engineer.

A FiberTite warm roof system was selected for its reliable performance, even on low-pitch roofs. Designed to manage extreme wind loads, FiberTite offers proven thermal and hygrothermal performance, ensuring durability in demanding conditions. Its robustness makes it well-suited for areas with heavy plant traffic, and its adaptability allows it to handle complex details and junctions, including connections with curtain wall cladding.

### SPECIFIED ROOFLOGIC SYSTEM

RoofLogic's Ultratherm Xtreme system was specified for the project, incorporating:

- RL Vapour Control Layer (installed over plywood substrate.)
- RL PIR Board (80mm.)
- RL Roof Board.
- Fibertite membrane.
- RL Walkway

There were also several plant room areas where the same system was installed over concrete roof slabs.

