

Old Heritage Style Cottage, Cremorne, Sydney

Waterproofing a large new extension

The owner of this old Australian heritage style cottage wanted to modernise the living style and practicality of the house, while retaining the cottage street appeal. Newton System 500 was installed to all new areas.



CASE STUDY - WATERPROOFING AN EXTENSION

Data File

Overview

<i>Property Type</i>	Residential
<i>Project Type</i>	Extension
<i>Scope</i>	Two new rooms

Products used

- Newton System 500
- Newton Basedrain
- Newton Floordrain

Key project factors

- Workshop needed to be humidity-controlled
- Sloping ground level
- Limited space

Contractor

- Wetlock Waterproofing

Distributor

- Bayset Pty Ltd

Project Description

Two new areas were added to the home.
 1- A new timber workshop was cut-in under the existing home. 2- A new open-plan living area was extended off the back of the home, which was cut into the gently sloping block, and the retaining walls required a moisture control system.

For the workshop area, excavation to allow for an externally applied membrane was not possible due to structural restrictions, and so an internally installed system was required. For the open-plan living area, the owner and architect wanted a future-proof system that would mitigate all moisture ingress risks, including that of rising damp up through the existing concrete slab. The waterproofing system also had to be compatible with in-slab floor heating system. Newton System 500 was the logical choice as it was compatible with all required elements, and would provide the most long-term reliable results.

Methodology & Result

Wetlock undertook all Newton System 500 installation works, including full floor and wall waterproofing, and installation of Basedrain relief points ready for connection to existing stormwater drainage by the plumber. Newton Jetting Eyes were also installed. Wetlock fixed the Newton Cavity Drain Membranes with Newton Multiplugs to allow for installation of timber battens for plaster wall-sheeting.

The development of the workshop was key for the owner to undertake his wood-crafting hobby. The area had to be moisture- and humidity-controlled to prevent damage to the timber. A full wall and floor installation of the Newton System 500 was the ideal choice for the water/damp-proofing, as it allowed for easy installation of the subsequent shelving systems to be installed with minimal risk of damage to the membrane system. Being able to use a battened wall system also saved on space.