



CURTIN UNI CEILING & ROOF WORKS

CURTIN UNIVERSITY BENTLEY
CAMPUS, PERTH, WA

MAINTENANCE - WATERPROOFING

PROJECT

Curtin University Level 7 Ceiling and Roof Works

CLIENT

Curtin University
Faris Zailanni 08 9481 8991

DURATEC CONTACT

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DESCRIPTION

Duratec was engaged by Curtin University to perform repair works to building 201 which was constructed in 1967. The building consists of 7 levels with a terracotta tiled roof laid on timber battens. Level 7 ceiling comprises a fibrous plaster glass ceiling with a sprayed vermiculite finish. Air conditioning units are mounted on the roof.

The roof had deteriorated significantly over time as a consequence of poor construction and ambient factors. Historical roof leaks were occurring on regular basis due to cracked/damaged roof tiles, improper sarking installation, failed sarking joint and cracks in the copper gutters. The scope included:

Internal repair works:

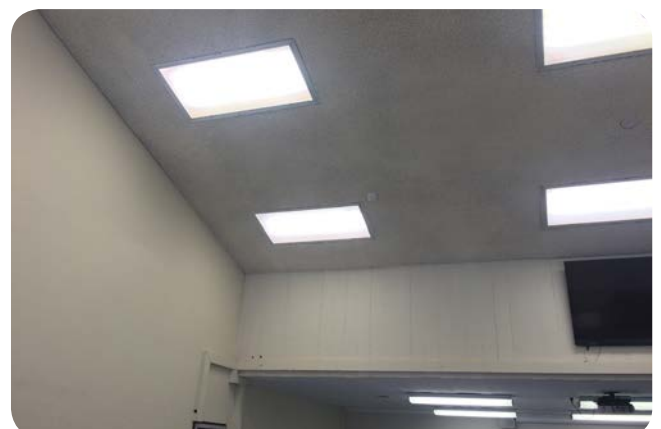
- ▶ Removal of existing ceiling finish.
- ▶ Repair of defects.
- ▶ Installation of new screws and timber battens.
- ▶ Application of vermiculite gypsum.
- ▶ Application of acrylic sealer undercoat.
- ▶ Application of 2 coats of paint.
- ▶ Installation of light fittings.

External/leak rectification works:

- ▶ Installation of anti-ponding boards.
- ▶ Sarking repairs.
- ▶ Service relocations.
- ▶ Copper gutter waterproofing.
- ▶ Tile replacement.
- ▶ Replacement and installation of 9 new roof mounted air conditioning units.

HIGHLIGHTS

- ▶ Works were completed on a tight time frame during the university's Christmas break to allow the building to open for the new semester.
- ▶ A 300 tonne crane was mobilised to install the air conditioning units.
- ▶ All works were completed to the client's satisfaction and were injury free.



IMAGES (FROM TOP TO BOTTOM)

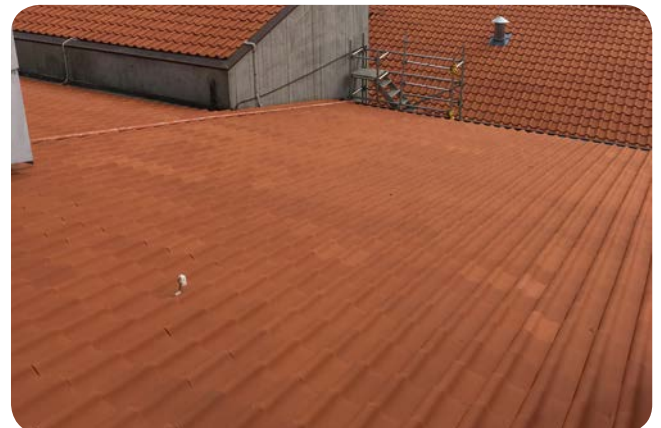
- ▶ Overview of the roof.
- ▶ Vermiculite application in progress.
- ▶ Completed ceiling.



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IMAGES (FROM TOP TO BOTTOM)

- ▶ Anti-ponding boards installed.
- ▶ Repair areas in sarking membrane sealed tight using tape.
- ▶ Cold water services installed along the existing access walkway.

IMAGES (FROM TOP TO BOTTOM)

- ▶ Scaffold access installed for gutter works.
 - ▶ Cracked/damaged tiles replaced.
- ▶ New evaporative coolers installed using a crane.