

# PROJECT SHOWCASE

## MARS WRIGLEY FACTORY ROOF MEMBRANE REMEDIAL WORKS



### Value

\$4.2 million

### Client

Mars Wrigley Australia

### Services provided:

- Large scale
- Challenging environment
- Technical detailing
- Live, food preparation environment
- Remedial works

### Description

Coleman and Fairburn were engaged by Mars Wrigley Australia to complete a roof membrane remediation project.

Ardex torch-on membrane was applied to 4924m<sup>2</sup> whilst battling a highly complex, live environment involving food preparation, erratic weather and consistent high risk construction work.

Prior to the new membrane being laid, large scale pebble removal was required which involved 160 tonnes of 10mm river pebble extracted from the roof via a non-destructive digging truck using PVC piping and a support tower scaffold. Hot water pressure cleaning was then carried out to prepare the roof surface for the initial membrane application.

A triple-layer system was employed consisting of two layers of torch-on membrane and a third liquid membrane layer on top to add further water-proofing capability. This process also involved a flame protection layer where required to assist in mitigating fire risks.

Throughout the project, complex detailing of torch-on membrane was completed and ITPs (Inspection Test Plans) were utilised as a quality control tool. A fulltime, on-site HSEQ representative ensured strict adherence to WHS requirements as well as Coleman and Fairburn's Integrated Management System.

Partridge Remediations consulted on the design of the works and were able to achieve last minute design changes to accommodate the client's operations.

