

Allied Mills

Remedial Waterproofing on Concrete Roof

Project Details

Paul from Findlay-Evans Waterproofing presents a case study on a concrete roof at Allied Mills in Melbourne. The old membrane on the roof was past its use-by date, leading to water ingress in the flour mill below, and the team was tasked with removing the defective membrane and applying a new, flexible Liquid Rubber membrane to prevent further issues.

Location:

Kensington VIC 3031

Initial Condition:

Concrete roof in good condition, but the existing polyurethane membrane was deteriorating.

Water ingress in the flour mill below was a significant problem.

Removal of Old Membrane:

Limited access and high elevation added complexity to the job.

Manual labor required to scrape off the old, rapidly deteriorating polyurethane membrane.

Cleaning of the concrete roof to ensure a good bonding surface.

Preparation and Application of New Membrane:

Some areas were low and needed to be screeded with special flexible screed.

Application of Liquid Rubber membrane, chosen for its high flexibility.

The flexibility of Liquid Rubber allows for movement in the tall building.

Reinforcement and Protection:

Addition of a fiberglass interlayer to make the membrane more robust.

Overcoating with Thermo Top Coat to reduce the temperature below, aiding internal ventilation.

Outcome:

Successful restoration of the concrete roof with a flexible, durable membrane.

Resolution of the water ingress problem, ensuring the continued smooth operation of the flour mill.

Watch [Youtube video](#) about this project.

