



constructive solutions

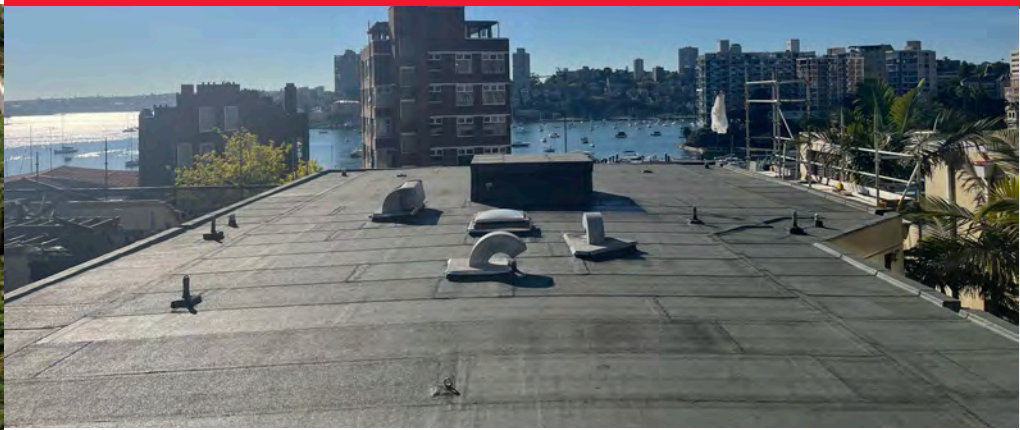
CASE STUDY

Elizabeth Bay Apartments

Sydney, NSW



Before



SPECIFIER BellMont Facade Engineering

CONTRACTOR Wynn Constructions & Trusty-Seal Waterproofing

SECTOR Residential Buildings

DATE 2021

PRODUCTS

- Proofex Torchseal A350
- Proofex Torchseal A600
- Proofex Torchseal A625



Torch-applying Proofex Torchseal A625



Self-adhesive Proofex Torchseal A350

A three-layer solution with Proofex Torchseal added high quality insulation while addressing roof leaks.

THE PROJECT

In an older apartment block in Elizabeth Bay, the complete absence of roof insulation was impacting the residents' comfort and their air-conditioning bills.

While addressing the significant heat transfer and managing mechanical repairs on the roof, BellMont Facade Engineering also identified numerous leaks. Under Sydney's intense UV exposure, the original PVC waterproofing membrane had failed.

THE SOLUTION

BellMont specified rigid foam insulation boards and three layers of Proofex Torchseal. Although primarily a waterproofing solution, layering with Proofex Torchseal is an excellent strategy to reduce energy consumption for heating and cooling.

BellMont Remedial Engineer Rodi Bircan explains: "It is one of the best ways to provide a thermal barrier to the units below. Because the original waterproofing membrane was aged and damaged, we were able to solve both issues at once."

The system application went smoothly. Self-adhesive Proofex Torchseal A350, was applied directly onto the insulation to protect it from the torching process.

Then Proofex Torchseal A600, 3mm base sheet was torch applied, and finally Proofex Torchseal A625, 4.5mm mineral finish top layer was torch applied to provide extra UV protection.

THE BENEFITS

Why choose Proofex Torchseal:

- APP polymer modified – designed for Australian conditions.
- Handles ponding and permanently wet conditions.
- No curing times. Instantly waterproof.
- Uniform thickness eliminates uneven application possible with liquid applied membranes.
- Excellent stability at both high and low temperatures.
- Excellent durability and flexibility.
- Self-adhesive A350 base layer protects heat-sensitive substrates. Flame-laying of A600 middle layer increases adherence with substrate.
- Mineral finish of A625 top sheet provides improved UV resistance and slip resistance.
- Australian builders and waterproofing contractors are familiar with Torchseal and well versed in installation.

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