

Merri, Northcote, VIC



The Merri Northcote project stands out as an excellent example of innovative building design, where thermal and waterproofing systems are integrated to meet both aesthetic and functional needs. Situated in Northcote, the development benefits from the advanced SOPREMA DuOTherm system, distributed by ENDUROFLEX, which has been installed on the building's balconies and roofs.

The DuOTherm system features a robust multi-layer structure, including the DuO High Tech 4/F C180 FC (Firecare) Landscape cap sheet, which offers UV stability and fire-retardant properties. The system is further enhanced by the DEBOTACK 2.5 T/F C15 AERO base sheet, which incorporates self-adhesive strips that ensure optimal bonding and provide efficient vapour diffusion across the roof surface. This guarantees a reliable waterproofing solution that effectively protects the structure.

Requirements

An essential part of the system is its PIR insulation board, adhered using EASYFOAM spray, which provides superior thermal performance. The SOPRAVAP STICK A07 self-adhesive membrane adds an extra layer of protection, serving as a vapour

control layer (VCL) on the substrate. These elements combine to ensure the building maintains a high level of thermal efficiency, offering exceptional comfort for its occupants.



Homes Victoria/Six degrees

To further enhance the system's capabilities, the project integrates smart accessories such as the SOPRASOLAR DUO PEDESTAL, which supports solar panels and lightweight equipment. This innovative solution ensures that the waterproofing system remains intact by preventing any penetration of the membrane. The DRAINi pre-manufactured pipe penetration with a bitumen flange ensures secure sealing, further protecting the integrity of the system.

Approach

Collaboration between key stakeholders played a significant role in the

project's success. Wayne Lloyd from ENDUROFLEX and Richard Ajavon from SOPREMA worked closely with the SIX DEGREES Architecture team, alongside MAB for the development, BRADY Construction for the build, and BRAVADA for the installation. Their combined efforts led to the seamless implementation of the DuOTherm system, ensuring a durable and high-performance solution for Merri Northcote.



Multi-purpose roof with DuO SOPRASOLAR for PV cells & technical equipment and community space including garden

Results

This project also sets a new standard in building insulation by moving the insulation layer from the inside to the outside. This design choice significantly improves the building's energy efficiency, providing long-term savings on heating and cooling, while enhancing occupant comfort and eliminating condensation risks. The result is a forward-thinking development that combines sustainability with practical solutions, ensuring Merri Northcote is a benchmark for future projects.

Architect: SIX DEGREES Architecture

Developers: MAB

Client: MAB Corporation

Landscape: TCL

Builder: BRADY Group

Distributor: Enduroflex

Installation: BRAVADA

Photography: supplied by Soprema

AWARDS: UDIA Awards for Design Excellence – Marketing Excellence Awards (in collaboration with TCYK)



Project overview/picture from Jellis Craig - Source: <https://www.jelliscraig.com.au/project/merri-northcote/updates>

