

RP1012

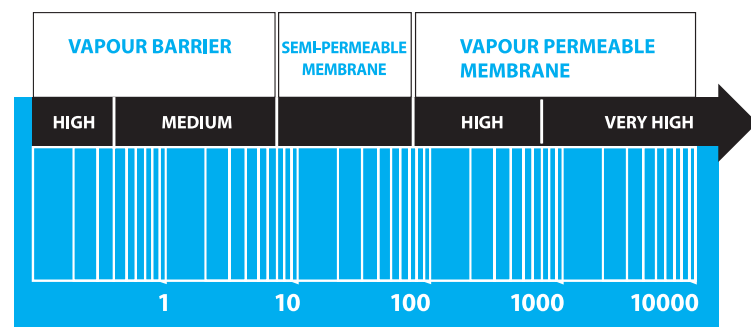
NEXT GENERATION LOW-EMISSIVITY PLIABLE MEMBRANES FOR MOISTURE MANAGEMENT IN BUILDING CONSTRUCTION

Snapshot

The project addresses emerging moisture management and condensation risk in Australian buildings. The potential moisture damage to homes is on a national scale and has been closely identified with increased standards for home insulation. Without adequate moisture management, the energy-efficiency gains from increased thermal insulation cannot be realized as the performance of most insulation is compromised by dampness.

Outcome

The research outcome will include development of the next-generation of low-emissivity pliable membranes for moisture, both liquid and vapour management. Without adequate moisture management in design and construction, the energy-efficiency gains from increased thermal insulation cannot be realized as the performance of most insulation is compromised by dampness. This project aims to provide the necessary technical evidence and design guidelines for the Australian building industry to incorporate appropriate moisture management systems in high performance, low carbon buildings in order to deliver long lasting, low carbon outcomes.



Water Vapour Transmission $\text{g/m}^2 \cdot 24\text{hr}$

Integrated Building Systems

3. Mainstreaming low carbon buildings

Project Leader

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Partners

UNSW; Ametalin

PROJECT START DATE: JAN-14

PROJECT DURATION: 9 MONTHS