

Thermal Performance

This presentation provides information and support for architects and designers interested in specifying performance thermal window and door solutions. It seeks to cover the following topics:

- Condensation – causes & advice
- Completely sealed homes are moisture traps
- Sources of internal water vapour
- The difference between thermally broken and non-thermally broken frames
- Heat loss sources
- Case studies – commercial & residential

Presentation contents: Factors governing condensation

- ▶ Internal water vapour
- ▶ Condensation control – thermally broken and non-thermally broken frames
- ▶ Condensation is not a window problem
- ▶ Thermal performance – things to know
- ▶ Thermal ratings & characteristics – APL window systems
- ▶ Residential ThermalHEART, Metro ThermalHEART & Klima uPVC
- ▶ 168mm Thermally broken Structural Glaze commercial system
- ▶ ThermalHEART technology
- ▶ Klima and UV testing
- ▶ Klima profiles
- ▶ Installation details
- ▶ Case studies – Turanga-Christchurch Library, Mackenzie house (Queenstown), Ryde house (Christchurch)
- ▶ Double glazing thermally efficient options
- ▶ Double glazing v. triple glazing
- ▶ APL Assist
- ▶ Assistance with product compliance documents
- ▶ Specification support resources

This presentation is...

- CPD-accredited
- Available as face-to-face group offerings or via online live video
- Available in 30-minute and 60-minute sessions



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NZIA CPD 5 points for 30 mins. 10 points for 60 mins.
ADNZ CPD 0.5 points for 30 mins. 1 point for 60 mins.