CPD ONLINE
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1 Formal CPD point

Please be aware you are required to manage your own CPD records. We will provide you with your participation certificate and answer sheet once you have attended the full seminar.

The below answer sheet is for your own self-assessment.
Please keep your completed questionnaires and answers on file for your record.
These do not need to be sent to CPD Live. CPD-Live will send you certificate.

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Fletcher Insulation
Building Better, Together

Maximising Building Performance - The Essential Role of Insulation in IEQ

1. **List four factors that influence IEQ.**

   Thermal comfort, acoustic comfort, indoor air quality, moisture, and condensation..

2. **What are the three types of heat transfer?**

   Conduction, convection, and radiation.

3. **What is the difference between material R value and Total R value?**

   Material R-value measures a specific material's resistance to heat flow, while Total R-value considers the combined resistance of all materials in an assembly.

4. **Explain the concept of thermal bridging and its impact on building performance.**

   Thermal bridging occurs when heat bypasses insulation through conductive materials, leading to energy loss and potential condensation issues.

5. **Describe the two main types of insulation and their applications.**

   Bulk Insulation – Applications include roofing, walling, floors, and ceilings.

   Pliable building Membrane – Applications include Roofing and external walls.

6. **How can bulk insulation products meet National Construction Code requirements?**

   Bulk Insulation materials are tested to Australian Standard (AS /NZS 4859.1: 2018) as required by the National Construction Code (NCC) 2022 requirements. This assists in achieving the specified system R-values for thermal resistance in section J, which ensures adequate energy efficiency and temperature control for different climate zones. Additionally, they must comply with the code's standards for fire safety and condensation management as required.

Competency Codes: PC12, PC28, PC33, PC39