

How to Document Rigid Insulation

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1. What is the key difference between conductive materials and insulators in terms of heat flow?
2. What is the difference between a product R-value and a total R-value?
3. What is rigid insulation and how does it differ from other insulation types?
4. What role do blowing agents play in the composition of rigid insulation?
5. What is a warm roof and how is it constructed?
6. What is the difference between thermoplastic and thermoset insulation when exposed to fire?

By the end of this session you should understand:

- Explain the thermal performance benefits of rigid insulation and the key factors that inform product selection and specification.
- Apply selection criteria to match rigid insulation products to project requirements across wall, roof, floor and soffit applications.
- Produce accurate specification documentation referencing correct products, installation details and relevant NCC and Australian Standard requirements.
- Identify fire performance and condensation risks associated with rigid insulation assemblies and describe appropriate mitigation strategies.

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