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UNDERSTANDING CLADDING REQUIREMENTS IN THE NCC 2022 PATHWAYS TO COMPLIANCE

1. List the three pathways to compliance within the National Construction Code (NCC).

- 01. Deemed-to-Satisfy (DtS) Solution
- 02. Performance Solution
- 03. Combination Solution (a mix of DtS and Performance Solutions)

2. What are the four acceptable assessment methods used in developing a Performance Solution?

Evidence of suitability, Verification Method, Expert Judgement and Comparison with the Deemed-to-Satisfy (DtS) Provisions.

3. What is required under NCC C2D10 for external walls in Type A and B buildings?

External walls must be non-combustible.

4. What does the AS/NZS 4284:2008 testing regime cover?

AS/NZS 4284 tests the structural, air and water penetration, and strength performance of building facades under simulated wind and other loads.

5. What are two common causes of “oil canning” in metal cladding panels?

Improper allowance for thermal expansion and contraction and over-tightened or incorrectly placed fixings, which restrict panel movement and cause surface distortion.

6. What are two examples of additional testing that may be conducted on cladding systems beyond fire performance and structural adequacy?

Examples include hail impact testing (ASTM E822), cyclonic debris testing, acoustic performance, bushfire resistance and accelerated weathering or UV exposure testing.