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Flush Threshold Design - Integrating Accessibility, Waterproofing & System Performance

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1. What is a flush threshold?

A flush threshold is a door sill detail where the internal and external finished floor levels sit at (or near) the same height, eliminating the step-down typically created by a standard door sill or frame..

2. Why is a threshold drain necessary for an accessible flush threshold to remain weatherproof?

Because lowering the sill for accessibility removes the height that traditionally kept water out. The drain replaces that function by capturing water at floor level so the threshold can stay both compliant and weatherproof.

3. How are flush thresholds relevant to the Livable Housing Design Standard?

The Livable Housing Design Standard, under Part H8 of NCC Volume Two, requires at least one level, step-free entrance into a dwelling. A flush threshold is the detail that achieves this.

4. What standard covers testing for the weatherproofing of a door/threshold system?

AS 2047: Windows and External Glazed Doors in Buildings. It sets out the testing and performance requirements for water penetration resistance in door and window systems.

5. What are the three tests outlined in AS 4586?

Wet Pendulum Test; Wet-Barefoot Inclining Platform Test; and Oil Wet Inclining Platform Test..

6. What is the minimum recommended Wet Pendulum Test rating for a slip-resistant threshold?

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