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## **Nu-Wall Cladding Compliance Path**

The Nu-Wall aluminium cladding product line is an independently tested and verified complete wall cladding system consisting of profiled weather boards, flashing profiles and associated fastenings all designed and certified to meet the NZ Building Code.

Evidence of suitability to specify and use Nu-Wall as a cladding product is supported by:

- BRANZ reports covering NZS3604 construction up to 10m height and 2.5KPa
- NZS4284 Commercial façade test results to 3.6KPa
- Seismic P21 structural racking test
- BRANZ face load tests to 6.09KPa

Nu-Wall does not issue individual project Producer Statements.

### **Combustibility**

Nu-Wall is locally manufactured from solid extruded aluminium with a powder coated surface coating of 80-100 microns thickness.

Aluminium melts at 700 degrees centigrade so is not a fire rated product – it is however non-combustible.

This material is defined under the NZBC as non-combustible and no further testing is required.

Clauses 12 and 13 of the Nu-Wall BRANZ appraisals confirm Nu-Walls non-combustibility.

The MBIE document, “Fire Performance of External Wall Claddings” dated 20/2/2019 defines this very clearly.

### **Design Certification where Nu-Wall is specified.**


The test results detailed above are the standard compliance pathway for conventional construction.

Most projects will also require custom specified flashings that are not covered in the Nu-Wall compliance tests, such as jointing to other claddings and non-standard corner details. These project specific details are specified by the Registered Architect or LBP Designer and

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design responsibility lies with the Registered Architect or LBP Designer. Nu-Wall will assist with the concepts and details.

In the cases of large commercial projects, it is normal for a Façade Engineer to be appointed. It is the responsibility of the Façade Engineer to ensure that all facets of the cladding/roofing envelope combine together to ensure a watertight result.

The Façade Engineer will request individual product compliance certification and evidence of suitability from each supplier, review and if required, specify details where different products intersect, then issue a PS1 covering the performance of the entire building envelope.

Installation can be carried out by any suitably qualified Tradesman and installation must follow 1) The Architects Details and/or 2) Nu-Walls BRANZ appraised standard details.

Under NZBC requirement, all installation work of exterior cladding is carried out under clause E2 provision and must be covered by an installers Producer Statement (PS3) and signed off by a LBP licenced Tradesman or building professional.

Nu-Wall offers a no-cost training assistance service to Installers who are not familiar with the BRANZ Appraised Nu-Wall system.

Nu-Wall can supply copies of all reports detailed above if required.

Glen Tasker

Director

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