

PANELUX® Solid Aluminium Cladding System – Performance-Equivalent Carrier Extrusions

To Whom It May Concern,

Mulford Plastics Ltd supplies the PANELUX® Solid Aluminium Cladding System, which has been tested as a complete façade system and demonstrated compliance with the New Zealand Building Code, including Clauses B1 Structure, E2 External Moisture, and C Fire Safety.

The attached documentation is provided to clarify the basis on which alternative proprietary aluminium carrier extrusions, which are performance-equivalent to the tested LAB aluminium carrier extrusion, may be used within the PANELUX® system.

The following documents are enclosed for review:

1. PANELUX® Solid Aluminium Cladding System – Performance-Equivalent Carrier Extrusion Statement

This document sets out the system requirements and limitations under which alternative proprietary aluminium carrier extrusions may be used, including minimum performance criteria and project-specific engineering requirements.

2. Engineering Judgement – Knack Engineering Ltd (CPEng)

This independent engineering judgement confirms that aluminium carrier extrusions with sectional properties equal to or greater than the tested LAB profile are structurally suitable as performance-equivalent alternatives, subject to appropriate engineering review.

3. Supporting Test Evidence

- AS/NZS 4284:2008 façade testing (Structure & External Moisture)
- AS 1530.1:1994 non-combustibility testing (Fire)

Use of alternative proprietary aluminium carrier extrusions is intended to be undertaken in accordance with the principles outlined in the attached engineering judgement and remains subject to project-specific engineering confirmation, appropriate Producer Statements where required, and acceptance by the Building Consent Authority.

The PANELUX® system remains a tested façade system, and the use of performance-equivalent aluminium carrier extrusions does not alter the underlying performance intent or compliance pathway when assessed in accordance with the attached documentation.

Should further clarification be required, Mulford Ltd can coordinate with the project engineer or Knack Engineering Ltd as appropriate.

Yours faithfully,



Vaughan Brown
Mulford Ltd
PANELUX® Solid Aluminium Cladding Systems