



INTERNAL WALLS

Technical Reports



June 20, 2023
Intex International Pty Ltd
Attn: Trent Salisbury
115 McKellar Way, Epping
Victoria, Australia, 3076

Intex Suspended Ceiling System & Intex Non-Load-Bearing Wall Systems

Dear Trent:

I write with regard to Acronem Reports ACA-190604 190604 of 4th June 2019 and ACA-190531 190620 of 20th June 2019, relating to the testing and analysis of Intex Suspended Ceiling System and Non-Load-Bearing Wall Systems. The following is a summary of the relevant standards addressed.

Intex Suspended Ceiling System load-span tables accounting for Ultimate Limit State (ULS) strength, and Serviceability Limit State (SLS) deflection behaviours are derived in accordance with:

- AS/NZS 2785 Dead loads for Australian conditions (Cl.3.3.5 & Cl.3.4.3) and Section 5 testing requirements, analysed in accordance with AS/NZS 1170.0 App. B.
- AS/NZS 1170.0 Combinations of actions
- AS/NZS 1170.1 Dead and live loads
- AS/NZS 1170.2, AS 4055 Internal wind loads to ceilings
- AS 3623 Serviceability Limit State deflection limits
- AS/NZS 2785
- AS 1391 Material property tensile testing

Intex Non-Load-Bearing Wall Systems have been assessed for FRL performance based on their geometric properties, material properties and installation instructions. Walls have been analysed in accordance with:

- AS/NZS 4600 for strength
- AS/NZS 1170.0 Combinations of actions
- NCC 2019 BCA Volume 1 Specification C1.8 deflection limits for static loading
- AS/NZS 1170.2 Ultimate and Serviceability pressures
- AS 1391 Metallic Materials – Tensile Testing at Ambient Temperature.
- NCC 2019 BCA Vol.1 A5.4 Fire-resistance of building elements.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'C. Be'.

Cameron Chick Be(Hons), Ph.d, Gc.com.(Mktg), M.airah, Rpeq
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