

Our Reference: S6637

28/08/2020

Delta Panels
2828 Ipswich Rd

Darra QLD 4076

Attention: Todd Guy

Delta Panels [Mineral Wool Panels]

Dear Todd,

In reviewing the National Construction Code of Australia (2019), Section C1.9 (e) we note that materials may be used wherever a non-combustible material is required a bonded laminated material may be used where three criteria are met. Below, we address each of the requirements in turn, and the evidences provided that we have been supplied with that support our final observation:

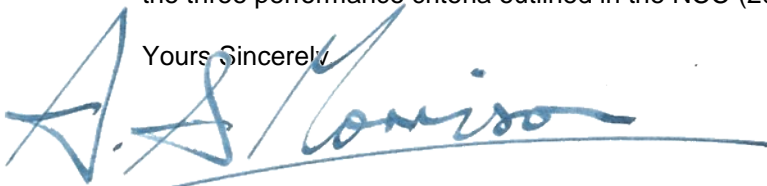
Delta Panel Mineral wool products are made from laminates of pre-painted steel skins bonded to a mineral wool core.

1. Each lamina, including any core, is non-combustible
 - 1.1. CSIRO Infrastructure Technologies, Certificate of Test Report FNC12604 dated 24 July 2020 for the Delta panels mineral wool / rockwool designated the material as not combustible according to the test criteria in Clause 3.4 of AS1530.1-1994
2. Each adhesive layer does not exceed 1mm in thickness and the total thickness of the adhesive layers does not exceed 2mm; and
 - a. The insulated panels are laminated under pressure with the thickness of adhesive being less than 1.0mm on each face. This observation is based on examining an example calibration test for the gluing that indicates a thickness of adhesive on each face less than 1.0mm. As the panels have a steel face cladding with a thickness in the order of 1mm thick, an adhesive layer that was 1mm thick would be visibly distinct from the face sheeting. That this is not evident is another evidence of the panel's compliance.
3. The spread of flame index and smoke developed index of the bonded laminated material as a whole does not exceed 0 and 3 respectively.
 - a. AWTA Product testing report 18-006075 dated 14 November 2018 covering Delta Panels Mineral wool panels states:
 - i. Spread of Flame index = 0
 - ii. Smoke Developed Index = 2

The two reports referenced are appended to this letter.

Based on the three above evidences and observations I certify that the Delta Panels Mineral Wool panels meet the three performance criteria outlined in the NCC (2019) Section C1.9 (non-combustible building elements)

Yours Sincerely



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