

CPD LIVE

Free CPD education online

This CPD seminar entitles you to 1 formal CPD point. Please be aware you are required to manage your own CPD records. We will provide you with your participation certificate and CPD evaluation based on our attendance records post event and your completion of the below questionnaire.

The below answer sheet is for your own self-assessment.

Please keep your completed questionnaires and answers on file for your record.

These do not need to be sent to the AIA or to CPD Live. CPD-Live will send you a Refuel certificate.

ALUMINIUM CORE V SOLID ALUMINIUM: FIRE SAFETY AND BEYOND

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- 1. What legislation deals with external cladding and fire safety in Australia? What are the two pathways to compliance?**
The relevant legislation is the National Construction Code (NCC) 2019. The two pathways to compliance are Deemed-to-Satisfy Solutions and Performance Solutions.
- 2. Outline the compliance pathway that aluminium core panel has followed.**
Aluminium core panel is DTS compliant through C1.9(e)(vii).
- 3. Outline the compliance pathway that solid aluminium panel has followed.**
Solid aluminium panel is DTS compliant through C1.9(e)(v).
- 4. From a specifier's perspective, what benefits are common to aluminium core panel and solid aluminium panel?**
The benefits include versatility of colour, shape and size; 30+ year life expectancy with low maintenance; excellent corrosion resistance; 100% recyclability with no waste going to landfill; and same day cut-to-size.
- 5. How do aluminium core panel and solid aluminium panel compare in terms of thermal conductivity and heat transfer?**
Solid aluminium panel has a rate of heat transfer that is 80 times higher than that of aluminium core panel. In other words, it is considerably less energy efficient.
- 6. How do aluminium core panel and solid aluminium panel compare in terms of V-grooved corner durability?**
Solid aluminium panel is more likely to crack on the corners due to score fractures and high thermal movement. Depending on the number of folds, aluminium core panel is 31% - 67% more durable.