

Test sponsor	Certificate issue date	Certificate number
Perma Composites 14 Garino Rise Wangara, WA 6065 Australia	24 March 2020	SFCFRT180388-1.1

Description of the test specimen

The test assembly was a nominal 1800 mm wide x 750 mm deep x 450 mm high deck which comprised of the Perma Composites PermaTimber® decking boards that were 137 mm wide x 23 mm thick and spaced using PermaTimber® WPC hidden fastener and screw system. The front fascia of the specimen consisted of a single 1800 mm long x 137 mm wide x 23 mm deep PermaTimber® WPC composite fascia board. The decking boards and front fascia were installed over a timber subfloor comprising of F17 kiln dried hardwood. The deck assembly was set within a 1800 mm wide x 250 mm deep recess formed within a nominal 3000 mm x 3000 mm wall system.

Test information

The specimen was tested by this laboratory on behalf of the test sponsor in accordance with the test standard identified in Table 1. It achieved the results stated in Table 2. Please refer to the test report for a complete description of the test specimen, construction and significant behaviour.

Table 1 Test and report details

Referenced report	Test standard	Test date	Referenced report issue date
FRT180388-1.1	AS1530.8.1:2007 section 21	19 November 2018	12 March 2019

Table 2 Test results

Performance Criteria	Time to Failure (min.)	Position of Failure
Formation of through-gaps greater than 3 mm	No Failure	-
Sustained flaming for 10 s on the non-fire side	No Failure	-
Flaming on the fire-exposed side at the end of the 60 minute test period.	No Failure	-
Radiant heat flux 365mm from the non-fire side exceeding 15 kW m ⁻²	Not applicable	N/A
Mean and maximum temperature rises greater than 140K and 180K	Not applicable	N/A
Radiant heat flux 250 mm from the specimen, greater than 3 kW m ⁻² between 20 min and 60 min	Not applicable	N/A
Mean and maximum temperature of internal faces exceeding 250°C and 300°C respectively between 20 min and 60 min after commencement of test	No Failure	-
Crib class	A	Peak heat flux
		29 kW m⁻²
Test Result		BAL-A29

Conditions/validity

- This certificate is provided for general information only and does not comply with the regulatory requirements for evidence of compliance.
- Please refer to the relevant test report to determine the applicability of the test result to a proposed installation and for a full description of the tested construction.
- The results of these fire tests may be used to assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all conditions.
- All work and services carried out by Warringtonfire Australia are subject to, and conducted in accordance with our standard terms and conditions. These are available on request or at <https://www.element.com/terms/terms-and-conditions>.

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