

Sponsor name	NRG Building Systems	Document no	267333 SOA6.1
Sponsor address	32–38 Drover Drive, West Burleigh, 4220, QLD, Australia		
Issue date	2 November 2023	Expiry date	31 May 2027

Description of assessed system

The assessed system consisted of a framed wall system as appropriate for external walls.

The scope of the assessment includes the bushfire attack level (BAL) of the described assessed system in accordance with AS 1530.8.1:2007.

Assessed system performance

The element of construction described above was assessed by this laboratory on behalf of the report sponsor in accordance with the stated test standard in Table 1 and achieved the results outlined in Table 2. A complete description of the assessed construction can be found within the referenced assessment report.

Table 1 Test standard and assessment report details

Referenced report	Test standard	Referenced report issue date	Referenced report expiry date
267333 R6.1	AS 1530.8.1:2007	31 October 2023	31 May 2027

Table 2 Formal assessment summary

Reference test	Description	Variations	BAL rating
EWFA 2581501.2	The test assembly consisted of a nominal 3000 mm wide × 3000 mm long × 211 mm thick wall system. The wall system consisted of two 90 mm × 45 mm timber stud frames incorporating an 800 mm × 800 mm timber reveal window. The unexposed side was faced with 10 mm Gyprock plasterboard. The exposed face consisted of 75 mm NRG Greenboard™ foam cladding onto which 10 mm thick ROCKCOTE PM100 QRender Pre-Blended Cement Render and Mesh, ROCKCOTE Sandcote Pre-coloured Acrylic Coating and ROCKCOTE Armor Flex paint were applied.	<ul style="list-style-type: none"> The render is to be NRG Polymer Modified Render instead of ROCKCOTE QRender PM100, as tested. The thickness is to remain unchanged and include grooves in the Greenboard™. The fibreglass mesh must remain, as tested. The 1 mm texture finish to be NRG Sand Medium or other similar 1 mm acrylic texture coating instead of ROCKCOTE Sandcote as tested The final acrylic paint coating to be NRG Shieldcoat instead of ROCKCOTE Armour Flex The tested EPS battens to be optionally removed The timber framing to be 90 mm × 35 mm or 70 mm × 35 mm instead of the tested 90 mm × 45 mm Wall framing to be optionally light gauge steel (up to 2 mm BMT) instead of timber Substitution of the tested PVC beads with aluminium beads Inclusion of 75 mm as the minimum thickness for NRG Greenboard™. 	BAL A – 29

Conditions / validity

- This document is provided for general information only and does not comply with the regulatory requirements for evidence of compliance.
- The main assessment report must be provided for regulatory requirements and evidence of compliance.
- Reference should be made to the relevant assessment report or regulatory information report to determine the applicability of the test result to a proposed installation. Full details of the constructions and justification for the conclusions given, along with the validity statements, are given in the assessment reports.
- The results of the assessment report may be used to assess the bushfire attack level (BAL), 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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