

FH16194-01-2-C1

GROUP NUMBER CLASSIFICATION



The specimens described below were tested by BRANZ in accordance with AS/NZS 3837 for determination of AS 3959–2018 assessed performance.

Test Sponsor

Chemron Australia Pty Ltd
154 Shellharbour Road
Port Kembla
NSW 2505
Australia

Date of tests

25th June, 7th July and 11th August 2020

Reference BRANZ Test Report

FH16194-01-2 – issued 4/10/2023

Test specimens as described by the client

Chemron BAL29 Coating System, comprising of a Natural/Raw Pine timber with 2 applied coats of Chemron Liquid Fire Retardant, and 3 further coats of Sikkens Cetol, with 80 ml of Chemron Ember Armour Paint Additive added to each 1000 ml of Sikkens Cetol before the coatings.

Specimen ID	Mean values	
	Mass (g)	Thickness (mm)
FH12484-G-50-1,2,3,4,5,6	179.4	41.0

Testing in accordance with AS 3959–2018

The specimens were subjected to the ASTM D2898 Method B accelerated weathering regime with water flow rate modified to be the same as that within ASTM D2898 Method A prior to testing in accordance with AS/NZS 3837. The test results to withstand exposure up to BAL–29 conditions were as follows:

Specimen: Chemron BAL29 Coating System			
Irradiance (kW/m ²)	AS 3959 Criteria	Test result summary	Performance assessment
25	Maximum HRR ≤ 100 kW/m ²	47.7	Pass
	Average HRR for 10 mins. following ignition ≤ 60 kW/m ²	4.2	Pass

Issued by

J. J. Ham
Fire Team Logistics Coordinator
BRANZ

Reviewed and authorised by

L. F. Hersche
Fire Testing Engineer
BRANZ

Regulatory authorities are advised to examine test reports before approving any product.



All tests and procedures reported herein, unless indicated, have been performed in accordance with the laboratory's scope of accreditation

Issue Date

4 October 2023