FH13174-004-C1 ISSUE 1
GROUP NUMBER CLASSIFICATION

This is to certify that the specimens described below were tested by BRANZ for determination of Group Number Classification and Average Specific Extinction Area in accordance with ISO 5660 Parts 1 and 2.

Test Sponsor

Dulux Powder Coatings
31b Hillside Road
Glenfield
Auckland 0627
New Zealand

Date of tests

18th February and 11th March 2021

Reference BRANZ Test Report

FH13174-004 ISSUE 1 – issued 23 September 2021

Test specimens as described by the client

Protexture textured range

Polyester thermosetting powder-coat paint, with a nominal thickness between 60-100 µm, applied to a nominally 2 mm thick aluminium sheet substrate.

Specimen Reference	Mass (g) *	Thickness (mm) *	Apparent Density (kg/m³) *	Variant	Indicative Group Number
FH13174-1-50-1	144.2	8.4	1717	Black	1
FH13174-1-50-2	146.0	8.7	1678	Black	1
FH13174-1-50-3	146.8	8.6	1707	Black	1

* - Figures include nominally 6 mm thick fibre cement substrate.

Group Number Classification in accordance with the New Zealand Building Code

Calculations were carried out according to NZBC Verification Method C/VM2 Appendix A. The classification for the sample as described above is given in the table below.

Group Number Classification in accordance with NCC Australia

Calculations were carried out according to AS 5637.1:2015. The Group Number Classification and Average Smoke Extinction Area for the sample as described above is given in the table below.

Determination of Fire Hazard Properties

The specimen was deemed suitable for testing in accordance with AS 5637.1:2015 and testing was performed in accordance with ISO 5660 for the purposes of Group Number Classification as specified in the NCC Volume One Specification C1.10 Clause 4.

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Appendix A	1-S
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	1 The average specific extinction area was **less** than the 250 m2/kg limit

Issued by

J. Stallinger
Associate Fire Testing Engineer
BRANZ

Reviewed by

L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Issue Date
23 September 2021

Expiry Date
23 September 2026

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.