

FH 5532-002 ISSUE 3

GROUP NUMBER CLASSIFICATION



This is to certify that the specimens described below were tested by BRANZ in accordance with ISO 5660:2002 Parts 1 and 2.

Date of tests

Test Sponsor
Dulux Powder and Industrial Coatings
31b Hillside Road
Glenfield 0627
Auckland, New Zealand

5 May 2014, 12 May 2014, 5 June 2014, and
13 March 2018

Reference BRANZ Test Report

FH 5532-001 ISSUE 3 – issued 7 September 2020

Test specimens as described by the client

Dulux Powder Coatings Pyrotec FR Range, Electro Anodised Range, Duralloy Pearlescent Range, Durrallloy Solid Colour Range, Duratec Zeus Solid Colour Range, and Duralloy Texture Range (Mannex) applied at 60-80 μm dry film thickness on 0.6 mm steel plate.

Specimen Reference	Mass * (g)	Thickness * (mm)	Apparent Density * (kg/m^3)	Colour
FH5532-2	100.9	15.3	1409	White

* mean values for replicate test material on nominally 7 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 for the classification of wall and ceiling linings.

Colour Range

No significant variations were detected in the indicative testing of the Pyrotec FR Range, Electro Anodised Range, Duralloy Pearlescent Range, Durrallloy Solid Colour Range, Duratec Zeus Solid Colour Range, and Duralloy Texture Range (Mannex). Each sample was designated a Group 1 classification. The peak heat release rate and the total heat release results are comparable to that achieved by the Electro Anodised, it is considered that the tested colour range will retain a Group 1 achieved by the Electro Flat White as tested and reported in BRANZ test report FH5532-001 ISSUE 3.

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

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Appendix A: Establishing Group Numbers for lining materials	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 m ² /kg limit

Issued by



L. F. Hersche
Fire Testing Engineer
BRANZ

Reviewed by



E. Soja
Senior Fire Safety
Engineer
IANZ Approved Signatory

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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

7 September 2020

Expiry Date

7 September 2025