

# FI13658-001-C1

## GROUP NUMBER CLASSIFICATION



This is to certify that the specimen described below was tested by BRANZ for determination of Group Number classification, Smoke Production Rate and SMOGRA<sub>RC</sub> in accordance with AS ISO 9705:2003 (R2016) and ISO 9705:1993.

### Test Sponsors

Construction Specialties NZ Ltd  
14 Tarndale Grove  
North Harbour, Auckland 0632  
New Zealand

Construction Specialties Australia  
Unit 6/26-32 Cosgrove Road  
Enfield, NSW 2136  
Australia

**Date of test:** 29 January 2021

**Reference BRANZ Test Report:** FI13658-001 – issued 16/03/2021

### Test specimen as described by the client:

The product submitted by the client for testing was identified by the client as Acrovyn 4000 (PVC free), a white coloured 1.52 mm thick PVC free rigid wall lining with weight of 1,930 g/m<sup>2</sup>.

### Group Number classification in accordance with NCC Australia

Calculations were carried out as per AS 5637.1:2015. The Group Number classification and SMOGRA<sub>RC</sub> 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 AS ISO 9705:2003 (R2016) for the purposes of Group Number classification as specified in the NCC Volume One Specification C1.10 Clause 4. This test comprised three walls and the ceiling lined with the test specimen.

### 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.

Building Code Document	Group Number Classification
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	1 The SMOGRA <sub>RC</sub> was 1.1 m <sup>2</sup> /s <sup>2</sup> x 1000 and therefore within the 100 m <sup>2</sup> /s <sup>2</sup> x 1000 limit
NZBC Verification Method C/VM2 Appendix A	1-S Average Smoke Production Rate was 0.5 m <sup>2</sup> /s and therefore within the 5 m <sup>2</sup> /s limit

### Issued by

  
L. F. Hersche  
Fire Testing Engineer  
IANZ Approved Signatory

**Issue Date**  
16/03/2021

### Reviewed by

  
E. Soja  
Senior Fire Safety Engineer  
IANZ Approved Signatory

**Expiry Date**  
16/03/2026



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

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