

# FI11564-001

## GROUP CLASSIFICATION NUMBER



This is to certify that the specimen described below was tested by BRANZ for determination of Group Number Classification and SMOGRA in accordance with AS ISO 9705 – 2003 and Group Number Classification and Smoke Production Rate in accordance with ISO 9705:1993.

### Test Sponsor

Zenthe Limited  
43 Niven Street  
Napier, 4100  
New Zealand

### Date of test

29 May 2019

### Reference BRANZ Test Report

FI11564-001 – issued 21/06/2019

### Test specimen as described by the client

The product submitted by the client for testing was identified by the client as Zenthe – Gleam/Impart a fire-retardant treated PET acoustic panel.

The composition for Gleam and Import was stated to be 100% PET with a minimum of 60% post-consumer recycled material.

A sample was measured as thickness of 12 mm, and weight 2.76 kg/m<sup>2</sup>.

The tested specimen was colour black.

### Group Number Classification in accordance with NCC Australia

Calculations were carried out as per AS 5637.1:2015. The Group Number Classification 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 for the purposes of Group Number Classification as specified in the NCC Volume One Specification C1.10 Clause 4.

### 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

NCC Volume One Specification C1.10 Clause 4  
determined in accordance with AS 5637.1:2015

NZBC Verification Method C/VM2 Appendix A

### Group Number Classification

1

The SMOGRA was 0.5 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

1-S

Average Smoke Production Rate was 0.53 m<sup>2</sup>/s  
and therefore within the 5 m<sup>2</sup>/s limit

### Issued by

P. C. R. Collier  
Senior Fire Testing  
Engineer  
IANZ Approved Signatory

### Reviewed by

P. N. Whiting  
Senior Fire Engineer/Fire  
Testing Team Leader  
IANZ Approved Signatory

*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

21/06/2019

### Expiry Date

21/06/2024