

# FI5868-C1 ISSUE 2

## GROUP CLASSIFICATION NUMBER



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

### Test Sponsor

Price Holyoake (NZ) Limited  
67 Greenmount Drive  
East Tamaki  
Auckland 2013  
New Zealand

### Date of test

9 December 2015

### Reference BRANZ Test Report

FI5856 Issue 2 – issued 15/04/2021

### Test specimen as described by the client

The product submitted by the client for testing was identified by the client as Spiro-Flex insulated duct material, a flexible ducting constructed from a jacket, insulation, and core. The flexible ducting assembly consisted of the following layers:

- Jacket – Flame retardant polyethylene (100 µm)
- Insulation – InsulPro NOVAhush Lofted polyester insulation (40 mm)
- Core – Fibreglass reinforced aluminised PET foil laminate (8 x 12 mm fibreglass, 6.5 µm aluminium, 12 µm PET).

### 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
NZBC Verification Method C/VM2 Appendix A	1-S Average Smoke Production Rate was 2.6 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

### Reviewed by

E. Soja  
Senior Fire Safety Engineer  
IANZ Approved Signatory



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

### Issue Date

15/04/2021

### Expiry Date

15/04/2026

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