

FH14268-01-1-C1

NZBC CLASSIFICATION



This is to certify that the specimen described below was tested by BRANZ in accordance with ISO 5660-1:2002

Test Sponsor

Rockcote Resene
5 Venture Place, Middleton,
Christchurch, 8024
New Zealand

Date of tests

12 November 2021 and 22 March 2022

Reference BRANZ Test Report

FH14268-01-1 – issued 15 June 2022

Test specimens as described by the client

EPS Substrate in Resene Lumbersider or Resene X200 painted finish.

A nominally 50 mm thick façade system comprised of an expanded polystyrene foam (EPS) substrate with multi-layered render finish of mineral base coat, mineral texture, Resene Limelock, and Resene Lumbersider or X200 painted finish.

Specimen name/ID	Mean values			Colour
	Mass (g)	Thickness (mm)	Apparent Density (kg/m ³)	
FH14268-1-50-1	80.6	40.0*	202	White
FH14268-2-50-1/2/3	82.7	39.9*	207	Grey

* Specimen thickness reduced prior to test

Classification in accordance with the New Zealand Building Code

Calculations were carried out according to NZBC Acceptable Solutions C/AS1 Appendix C7.1.
The performance for the sample as described above is given in the table below.

Building Code Document	Criteria	Performance
NZBC Acceptable Solution C/AS1	Peak Heat Release rate (kW/m ²)	≤100 kW/m ²
	Total Heat Release (MJ/m ²)	≤ 50 MJ/m ²

Issued by

L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Reviewed by

E. Soja
Senior Fire Safety Engineer
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

15 June 2022

Expiry Date

15 June 2027