

FH14268-02-1-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 Limited
T/A Resene Construction Systems
5 Venture Place, Middleton,
Christchurch, 8024
New Zealand

Date of tests

12 and 17 November 2021, and 22 March 2022

Reference BRANZ Test Report

FH14268-02-1 – issued 18 July 2022

Test specimens as described by the client

Graphex Substrate and XTherm Gold Substrate with Resene Lumbersider or Resene X200 painted finish. The nominally 50 mm thick panel systems are comprised of a foam substrate (Graphex Substrate: polystyrene, Xtherm Gold Substrate: polyisocyanurate) with multi-layered render finish consisting of mineral base coat, mineral texture, Resene Limelock, and Resene Lumbersider or X200 painted finish.

Product ID	Specimen ID	Mean values			Colour
		Mass (g)	Thickness (mm)	Apparent Density (kg/m ³)	
Graphex with Lumbersider	FH14268-3-50-1	123.3	40.0*	308	White
Graphex with X200	FH14268-4-50-1/2/3	82.6	39.9*	207	Cream
Xtherm Gold PIR with Lumbersider	FH14268-7-50-1	113.6	40.4*	281	White
Xtherm Gold PIR with X200	FH14268-8-50-1/2/3	113.2	40.0*	283	Cream

* 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 samples as described above is given in the table below.

Building Document	Code	Parameter	Criteria	Performance
NZBC Acceptable Solution C/AS1		Peak Heat Release rate (kW/m ²)	≤100 kW/m ²	Pass
		Total Heat Release (MJ/m ²)	≤ 25 MJ/m ²	Pass

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
18 July 2022

Expiry Date
18 July 2027