CERTIFICATE

Material Fire Test Certificate

IGNL-3285-07-09 I02R00

Date of Test 26 November 2018
ISSUED 12 February 2024
EXPIRY 21 January 2029

AS 5637.1-2015: DETERMINATION OF FIRE HAZARD PROPERTIES

This engineering certificate serves as a certificate from a professional engineer in accordance with Clause A5G3(1)(e) of the National Construction Code Volume One Building Code of Australia 2022

PRESENTED TO

New Age Veneers Pty Ltd
Unit 14, 22-24 Beaumont Rd
Mt Kuring-gai NSW 2080

TEST BODY

Ignis Labs Pty Ltd
ABN 36 620 256 617
PO Box 5174
Braddon ACT 2612
www.ignislabs.com.au
mail@ignislabs.com.au
(02) 6111 2909

Sample Identification

Navurban

Product Description

The sponsor described the tested specimen as a decorative panel laminated with a three-dimensional layer with the most advanced embossing techniques available. Testing was done using OptiShield FR MDF.

The test specimens have –

(a). Nominal wall thickness: 12 mm
(b). Nominal mass of sample: 107g
(c). Colours: Timber reconstructed core with a woodgrain laminate finish

Test Procedure

Three samples were tested in accordance with Australian Standard/ New Zealand Standard 3837, Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter, 1998. The determination of group number and average specific extinction area was done in accordance with clauses 4.3 and 7 of AS 5637.1-2015.

Observations

The test sample smoked shortly after being exposed to the radiant heat and each sample ignited in approximately 90 seconds from the start of the test and continued for the duration of the test. The samples had an average heat release rate of 55.8 kW/m^2 and effective heat of combustion of 7.77 MJ/kg.

Test Results

The following sample classifications were obtained:

Group Number: Group 2
(In accordance with Specification A2.4 of the Building Code of Australia.)

Average specific extinction area: 4.98 m^2/kg
(Refer to Specification C1.10 section 4(b) of the Building Code of Australia.)

Notes

1. The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.
2. As per Section 9 (n) of AS 5637.1:2015, the determination of the group number was based on the AS/NZS 3837:1998 test and was deemed valid in the cone calorimeter for the assignment of National Construction Code (NCC) group number.
3. Based on the Average Specific Extinction Area result the material can be used in a non-sprinklered or sprinklered building.

Benjamin Hughes-Brown FIEAust CPEng NER APEC Engineer IntPE(Aust)
Chartered Professional Engineer
CPEng, NER (Fire Safety / Mech) 2590091, RPEQ11498, BPB-C10-1875, EF-39394,
MFireSafety (UWS), BEng (UTS), GradDipBushFire (UWS), DipEngPrac (UTS), DipEng (CIT)