

CERTIFICATE

Engineering Evaluation Certificate

IGNL-3319-06 I01R00

TESTED 10 December 2019
ISSUED 22 January 2020
EXPIRY 21 January 2025



PREMIUM DECORATIVE SURFACES
Navurban Diamond Finish™
Technical assessments of
products for compliance under
the National Construction Code.

AS 5637.1:2015 Determination of Fire Hazard Properties

This engineering certificate serves
as a certificate from a professional
engineer in accordance with Clause
A5.2(1)(e) of the National
Construction Code Volume One
Building Code of Australia 2019

PRESENTED TO

New Age Veneers
Unit 14, 22-24 Beaumont Road
Mt. Kuring-Gai, NSW 2080

ENGINEERING BODY

Ignis Labs Pty Ltd
ABN 36 620 256 617
3 Cooper Place
Queanbeyan NSW 2620



Sample Identification

NAVURBAN DIAMOND FINISH™

Product Description

The sponsor described the tested specimen as Optishield FR MDF board with a Non-PVC Olefin surface and UV protective finish.

The test specimens have –

- | | |
|-------------------------------|--------|
| (a). Nominal wall thickness: | 16 mm |
| (b). Nominal rib thickness: | 0.0 mm |
| (c). Nominal total thickness: | 16 mm |
| (d). Colours: | Yellow |

Test Procedure

Full-scale room test of the specimen system was carried out in accordance with AS ISO 9705-2003: Fire tests – Full-scale room test for surface products.

The purpose of this assessment is to report the applicable use and compliance of New Age Veneers product being Navurban Diamond Finish against the requirements of the National Construction Code – Volume One – Building Code of Australia 2019 (BCA) to be used as an internal lining to walls and ceiling of buildings of Type A, B and C in accordance with the determination by AS 5637.1:2015.

Observations

The specimen reached flashover at approximately 325s after the commencement of the test.

National Construction Code – Volume One – Building Code of Australia 2019

The New Age Veneers product being Navurban Diamond Finish complies with the following Deemed-to-Satisfy Provision:

- Performance Requirement CP2 and CP4
 - Clause C1.10
 - Sub-clause (a)(ii) wall linings and ceiling linings that comply with Specification C1.10 Clause 4

The following sample classifications were obtained:

Group Number: Group 3
Smoke growth rate index: 1316.48 (m²/s² x 1000)
(Refer to Specification C1.10 section 4 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 (m) of AS 5637.1:2015, the determination of the group number was based on the AS ISO 9705-2003 test, and the installed specimen systems covered three walls and the ceiling.

Benjamin Hughes-Brown

FIEAust CPEng NER APEC Engineer IntPE(Aus)
Chartered Professional Engineer

CPEng, NER (Fire Safety / Mech) 2590091, RPEQ11498, BPPB-C10-1875, EF-39394,
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