

CERTIFICATE

Engineering Evaluation Certificate

No. IGNS-7175-07 I01R00

ISSUED 06 May 2019

VALIDITY BCA 2019

Valchromat

**AS/NZS 3837-1998:
METHOD OF TEST FOR
HEAT AND SMOKE
RELEASE RATES FOR
MATERIALS AND
PRODUCTS USING AN
OXYGEN CONSUMPTION
CALORIMETER**

Sample Identification

Valchromat

Product Description

The sponsor described the tested specimen as a coloured engineered wood fibre panel. The panel was made from fibres impregnated with organic dyes and chemically bonded using melamine-urea-formaldehyde (MUF) resin. The specimen contained flame-retardant additives.

The test specimens have –

- | | |
|-------------------------|---|
| (a). Nominal thickness: | 16 mm and 19 mm |
| (b). Nominal mass: | 14 kg/m ² |
| (c). Nominal density: | 800 kg/m ³ and 790 kg/m ³ |
| (d). Colour: | Brown and black |

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.

Product Testing

Nine samples were tested by the CSIRO and reported in their certificate NK7496 dated 3 March 2016 with NATA accreditation No. 165 Corporate Site No. 3625 on 23 February 2016. This certificate is provided to Modinex group based on the original testing.

Test Results

The following sample classifications were obtained:

Group Number: Group 3
(In accordance with Schedule 6 of the Building Code of Australia)

Average specific extinction area: 9.2 m²/kg
(Refer to Specification C1.10 section 4(c) 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.

PRESENTED TO

Modinex group
150 Tòongarra Road
Ipswich QLD 4305

ENGINEERING BODY

Ignis Solutions Pty Ltd
ABN 24 160 047 125
PO Box 5174
Braddon ACT 2617
www.ignissolutions.com.au



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)