

CERTIFICATE

Material Fire Test Certificate

IGNL-7227-14-03C I01 R00

DATE OF TEST 19.09.2023
ISSUE DATE 10.11.2023
EXPIRY DATE 09.11.2028

Organoid Natural Surfaces –
Wolla

SPONSOR

Austaron Surfaces
17/30 Heathcote Road
Moorebank, NSW 2170

TEST BODY

Ignis Labs Pty Ltd
ABN 36 620 256 617
3 Cooper Place
Queanbeyan NSW 2620
Australia
www.ignislabs.com.au
(02) 6111 2909
Test body is the test location

Introduction

Ignis Labs undertook a test of the Organoid Natural Surfaces - Wolla provided by Austaron Surfaces. The testing was undertaken in accordance with AS/NZS 3837:1998. The group number was predicted in accordance with AS 5637.1:2015. This is a short form AS 5637.1:2015 report.

BCA requirements specify that the Group Number of a wall or ceiling lining shall be determined in accordance with AS 5637.1:2015. Clause 5.3.3 of AS 5637.1:2015 specifies the materials that are suitable for testing in accordance with AS/NZS 3837:1998 for the purpose of determining a Group Number. This list precludes materials that are dimensionally unstable when exposed to the heat source due to the uncertainty of results introduced with the melting or dimension change of the specimen. It was observed during testing that the Organoid Natural Surfaces - Wolla material did not melt or otherwise change dimensionally prior to ignition and exhibited a linear mass loss throughout. As such, it is considered that the results of AS/NZS 3837 testing are sufficient to determine the group number of this material as is the case for materials listed in Clause 5.3.3 of AS 5637.

Product Description

The sponsor described the specimens as an organic wall surface. It is composed of various organic elements and its end use is as a wall lining.

The received specimens were a sheet of grey woollen wall covering with a flax backing from which the test specimens were fabricated by Ignis Labs. They had a measured nominal thickness of 0.66 mm. Being a thin material, it was tested on a fibre cement substrate.

Ignis Labs was not responsible for the sampling stage. All specimens were sampled by the test sponsor. The test results apply to the specimens as received.

AS 5637.1 Group Number: 3 | ASEA 11.94 m²/kg

Specimen

The test specimen has characteristics are listed below

Average specimen thickness:	0.69 mm
Average specimen pre-test mass:	3.37 g
Specimen colour:	Grey sheet with a light-yellow backing

Test Method

Six (6) specimens were tested in accordance with the requirements of AS/NZS 3837. Prior to the test, the specimens were conditioned at an ambient temperature of 23 ± 2 °C and a relative humidity 50 ± 5 %. A retaining grid was applied over the face of the specimen.

Reference Documents

This certificate is based on the following documents:

- Ignis Labs Test Certificate IGNL-7227-07-03C I01R00 dated 06 November 2023.

Notes

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.

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.

Clause A5G3(1)(e) of the BCA allows for evidence of suitability in relation to a report from a professional engineer that certifies that a material, product, form or construction or design fulfils specific requirements of the BCA, sets out the basis on which it is given and the extent to which relevant standards, specifications, rules, codes of practice or other publications have been relied upon to demonstrate it fulfils specific requirements of the BCA.

This report is provided in accordance with BCA Clause A5G3(1)(e) as a report from a professional engineer. In accordance with BCA Clause A5G3(1)(b) it is demonstrated that the material and testing demonstrate compliance with the requirements of the BCA in accordance with AS 5637.1:2015 in determining the group number.



Benjamin Hughes-Brown | FIEAust CPEng NER APEC Engineer IntPE(Aus)

Chartered Professional Engineer

CPEng, NER (Fire Safety / Mech) 2590091, RPEQ11498, BDC-1875, PRE0000303, DEPO000317, PE0001872
MFireSafety (UWS), BEng (UTS), GradDipBushFire (UWS), DipEngPrac (UTS), DipEng (CIT)

Version: IGNL-QF-031-Issue 03 Revision 01

Disclaimer These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use. The information contained in this document is provided for the sole use of the recipient and no reliance should be placed on the information by any other person. In the event that the information is disclosed or furnished to any other person, Ignis Labs Pty Ltd accepts no liability for any loss or damage incurred by that person whatsoever as a result of using the information.

Copyright © All rights reserved. No part of the content of this document may be reproduced, published, transmitted or adapted in any form or by any means without the written permission of Ignis Labs Pty Ltd.