

CERTIFICATE

TEST REPORT

IGNL-5253-06C I01R01

TESTED 11 October 2021
ISSUED 05 August 2022
EXPIRY 04 August 2026

AS 5637.1:2015
DETERMINATION OF FIRE
HAZARD PROPERTIES

AS ISO 9705-2003:
FIRE TESTS – FULL-SCALE
ROOM TEST FOR SURFACE
PRODUCTS

Sponsor

CASF Australia Pty Ltd
3/208 Walters Road
Arndell Park NSW 2148

Test Body and Location
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Sample Identification

Corian® Solid Surface

Product Description

The test sponsor described as a solid, non-porous, homogenous surfacing material. The material composed of 1/3 percent acrylic resin (also known as PMMA) and 2/3 percent natural minerals. These minerals are composed of alumina trihydrate (ATH) derived from bauxite. The material has a density of 1.6 to 1.8 g/cm³.

The test specimen system included a ceiling and wall specimen with the installation of Corian® Solid Surface panels. The test specimens were white solid panels with measured nominal thickness of 12 mm. The gloss face was the external face being tested and the matt face was the internal face.

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 panels were fixed to the test room by using 75 mm self-drilling hex, coarse thread class 4 screws and mudwashers. 4 screws were applied to the long sides of the panels and 3 screws were applied to the centre of the panels evenly separated.

Observations

The heat release exceeded the flashover limit of 1 MW at 1165 seconds (including the first 2 minutes prior to the burner ignition).

Test Results

The following sample classifications were obtained:

Group Number:	Group 2
SMOGR _{RC}	2.46 (m ² /s ² x 1000)

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 (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.
- Clause A5.2(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 A5.2(1)(e) as a report from a professional engineer. In accordance with BCA Clause A5.2(1)(e) it is demonstrated that the material and testing demonstrates compliance with the requirements of the BCA in accordance with AS 5637.1:2005 in determining the group number.

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