

Certificate of Assessment

Quote No.: NKI7092

No. 1953

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This is to certify that the specimen described below was tested by the CSIRO Division of Materials Science and Engineering in accordance with International Standard ISO 5660-1:2002 Reaction-to-fire tests – Heat release, smoke production and mass loss rate – Part 1: Heat release rate (cone calorimeter method) and Part 2: Smoke production rate (dynamic measurement), at 50 kW/m², on behalf of:

Forman Building Systems Limited
20 Vestey Drive
Mt. Wellington
AUCKLAND NEW ZEALAND

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNKI 11002.

SAMPLE

IDENTIFICATION: Owens Corning Ductwrap

DESCRIPTION OF

SAMPLE: The sponsor described the tested specimen as a glass-fibre blanket with aluminium foil facing on the exposed side. The aluminium foil facing was adhered onto the glass-fibre blanket using polyvinyl acetate (PVA) water-based adhesive at an application rate of 0.5 L/m².

Nominal thickness of aluminium facing: 70- μ m
Nominal total thickness: 50 mm
Nominal mass of aluminium facing: 103 g/m²
Nominal density of glass-fibre blanket: 24 kg/m³
Colours: pink (glass-fibre blanket); silver (foil facing)

SAMPLE

CLASSIFICATION: Group Number: Group 1-S
(In accordance with Verification Method C/VM2 Appendix A Paragraph A1.2 and Paragraph A1.3 of the New Zealand Building Code.)

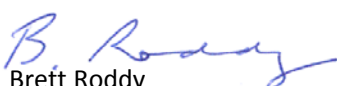
Average specific extinction area: 46.1 m²/kg
(In accordance with Verification Method C/VM2 Appendix A Paragraph A1.2 of the New Zealand Building Code.)

As a requirement of the New Zealand Building Code, Appendix CM2, Appendix A (Normative): Establishing Group Numbers for lining materials, Clause A1.1 (b), substrates of foil-faced materials must be deemed non-combustible to be appropriate for Group Number prediction using data obtained in accordance with ISO 5660.

The substrate for this material, Owens Corning glass-fibre insulation, had been tested to AS/NZS 1530.1:1994 Combustibility test for materials (CSIRO Report No. FNC11003, 31 January 2014) and deemed non-combustible.

Testing Officer: Heherson Alarde Date of Test: 13 December 2013

Issued on the 3rd day of February 2014 without alterations or additions.


Brett Roddy

Team Leader, Fire Testing and Assessments

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