CERTIFICATE

NCC Compliance Certificate

IGNE-9074-99-01C I01 R01

Valid for NCC 2022
Issue Date 16.06.2025
Expiry Date 15.06.2030

K FIRE 19 SL4 Wall System

AS 1530.4:2014

SPONSOR
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Test body is the test location

Introduction

Ignis Labs undertook an assessment of the K FIRE 19 SL4 double timber framed intertenancy wall system in line with the Performance Requirements of Clause C1P1 of the NCC 2022. Clause C1P1 requires that all building elements must, to the degree necessary, maintain structural stability during a fire. For wall systems, compliance with this Performance Requirement is demonstrated through meeting the Fire Resistance Leve (FRL) requirements of Specification 5, where the FRL is determined through testing to AS 1530.4:2014.
The K FIRE 19 SL4 intertenancy wall system has been tested at a pilot scale to AS 1530.4:2014 by Ignis Labs, with the results detailed in Test Report IGNL-9074-04-02R dated 16 June 2025. The structural adequacy of the system has been evaluated based on the internal temperatures by Ignis Labs in the engineering assessment IGNE-9074-99-01R dated 16 June 2025.

System Description

The K FIRE 19 SL4 intertenancy wall system is comprised of 10 mm Gyprock plasterboard on the exposed and unexposed faces, 19 mm central shaft liner panel, two MGP10 timber frames, right-angled aluminium brackets and R2.0 Knauf Earthwool insulation. The exposed frame perimeter was sealed using SIKA 400 fire rated sealant.
The temperatures of the internal timber frame were monitored with thermocouples fixed directly to the studs.

FRL: 60/90/90

Test Method

The wall system was tested vertically at a pilot scale to AS 1530.4:2014. The temperatures of the internal timber frame were monitored with thermocouples fixed directly to the central stud.

Reference Documents

This certificate is based on the following documents:

- Ignis Labs Test Report IGNL-9074-04-02R dated 16 June 2025.
- Ignis Labs Structural Adequacy Assessment IGNE-9074-99-01R dated 16 June 2025.

Notes

1. Clause A5G3 (1)(d) and A5G3 (1)(e) of the BCA allows for evidence of suitability in relation to a report from an accredited lab and a professional engineer that certifiers 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.
2. This report is provided in accordance with BCA Clause A5G3 (1)(d) and A5G3 (1)(e) as a report from an accredited lab professional engineer. Ignis Labs holds accreditation to AS 1530.4:2014 with NATA. In accordance with BCA Clause A2G2(1)(b) it is demonstrated that the material demonstrates compliance with the requirements of the NCC 2022.

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Disclaimer The underlying test results of this assessment 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.
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