

Department of Lands Building – 23 Bridge Street, Sydney

(SSDA7484, MOD18 RTS Fire compliance requirements)

Job numbers: [FRT220114](#), [FRT220115](#), [FRT220116](#), [FRT220123](#), [FRT220145](#) & [FRT220146](#)

Test sponsor	Built Pty Ltd (NSW)	Address	Level 4/185 Clarence Street, Sydney
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Dear Jamel,

The Testing division of Warringtonfire is a NATA accredited facility that undertakes fire performance verification and compliance testing, primarily for the purpose of providing evidence of suitability for deemed to satisfy provisions in the National Construction Code (NCC).

We are accredited for a variety of fire resistance and reaction to fire test methods including AS 1530.4:2014 which outlines the preparation, configuration, testing and reporting requirements to determine fire resistance levels of building elements as outlined in Schedule 5 of volume 1 of the NCC.

To maintain our NATA accreditation to AS ISO/IEC 17025:2018 and additional accreditation to AS/NZS ISO 9001:2016 we undergo regular external and internal auditing to maintain a robust and traceable management system that ensures that all testing we undertake and the reports we produce hold up to the strictest of scrutiny, whether that be building certifiers, emergency services, professional in the fire arena or in a court of law.

The processes that we follow internally include, but are not limited to, consultation with clients to verify testing needs, detailed survey and verification of material and product properties, documenting construction methodologies, provision of specific environmental conditions to replicate in-situ conditions or to meet product requirements, review and adherence to test standard requirements, installation and verification of various calibration instrumentation to monitor performance, operation of small and large scale furnace equipment, drafting and review of detailed test reports, all of which are undertaken by our team of engaged experts. On the Dept. of Lands there was extensive engagement with product specialists, nominated applicators and engineers in the design and assembly of the test specimens. These included CAP Coatings, Promat, Permax (Nullifire & Aithon), Northrop Engineering and Holmes Fire.

While the majority of our testing is conducted on purpose-built specimens that are constructed at our laboratory, we do on occasion facilitate testing of specimens comprised of extracted elements of existing buildings as was the case for several of the specimens in this series of tests. This can be done for many reasons, whether it be the inability to source materials or recreate construction methods. The testing for Lands that was completed on extracted specimens for test 2 (coke breeze) and test 3 (EMF L&P ceiling) was to guarantee representative construction.

It may also be done for expediency when the timelines required to achieve representative equilibrium material conditions, such as moisture content on a new specimen construction, are impediments to project delivery.

For each of the specimens in this series of tests the environmental conditions were monitored during assembly and curing. Moisture content was checked with the nominated applicators at key hold points, including prior to application of intumescent coatings, whilst curing and prior to testing. Each specimen was chosen to cater to the specific requirements of the Dept. of Lands project.

Regardless of the situation, Warringtonfire applies consistent and thorough verification to guarantee that the reported performance is representative of expected end use behaviour.

Signed on behalf of Warringtonfire



Steven Halliday

Warringtonfire: accredited for compliance with ISO/IEC 17025 – Testing

**General manager – Testing
Australia**

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