

CERTIFICATE OF ACCREDITATION



Passive Fire Inspection & Test Services Limited

Trading as Fire TS Lab

Client Number 9607

1/113 Pavilion Drive, Mangere, Auckland, 2022

Telephone 022 043-4760

www.firelab.co.nz

Authorised Representative

Mr Andrew Bain
Managing Director

Programme

Applied Physics Testing Laboratory

Accreditation Number 1335

Initial Accreditation Date 6 August 2019

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

6.33 Fire Resistance Tests

Key Technical Personnel

Mr Andrew Bain	6.33
Mr Alexey Kokorin	6.33

Operations Manager
Authorisation:

Issue 12

Date:13/10/23

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SCOPE OF ACCREDITATION

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6.33 Fire Resistance Tests

The following tests in accordance with the methods listed:

AS 1530.4	Methods for fire tests on building materials, components and structures – Part 4 Fire resistance tests of elements of construction (Excluding Section 11 Fire damper and air transfer grille assemblies in ducts)
BS 476	Fire tests on building materials and structures
	Part 20 Method for determination of the fire resistance of elements of construction (general principles)
	Part 21 Method for determination of the fire resistance of loadbearing elements of construction
	Part 22 Method for determination of the fire resistance of non-loadbearing elements of construction
	Part 23 Method for determination of the contribution of components to the fire resistance of a structure
EN 1363-1	Fire resistance tests – General requirements
EN 1363-2	Fire resistance tests – Alternative and additional procedures
	Section 4 Hydrocarbon curve
	Section 5 External fire exposure curve
	Section 6 Slow heating curve
	Section 8 Measurement of radiation
EN 1364-1	Fire resistance tests for non-loadbearing elements – Walls
EN 1364-2	Fire resistance tests for non-loadbearing elements – Ceilings
EN 1364-3	Fire resistance tests for non-loadbearing elements. Curtain walling. Full configuration (complete assembly)
EN 1364-4	Fire resistance tests for non-loadbearing elements. Curtain walling. Part configuration
EN 1365-1	Fire resistance tests for loadbearing elements – Walls
EN 1365-2	Fire resistance tests for loadbearing elements – Floors and roofs
EN 1366-3	Fire resistance tests for service installations – Penetration seals
EN 1366-4	Fire resistance tests for service installations – Linear joint seals

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- EN 1634-1 Fire resistance test for door and shutter assemblies and openable windows
- ISO 834-1 Fire-resistance tests – Elements of building construction – General requirements

Additional standards in conjunction with AS1530.4 test method:

- AS 1735.11 Lifts, escalators and moving walks - Part 11: Fire-rated landing doors
- AS 1905.1 Components for the protection of openings in fire-resistant walls Part 1: Fire-resistant doorsets
- AS 1905.2 Components for the protection of openings in fire-resistant walls - Part 2: Fire-resistant roller shutters
- AS 4072.1 Components for the protection of openings in fire-resistant separating elements Part 1: Service penetrations and control joints
- NZS 4520 Fire-resistant doorsets
- AS/NZS 3013 Electrical installations—Classifications of the fire and mechanical performance of wiring system elements (Appendix A and C only)

EFNARC - Specification and Guidelines for Testing of Passive Fire Protection for Concrete Tunnels Linings

Efectis-R0695:2020 Fire testing procedure for concrete tunnel linings and other tunnel components

Applicant is responsible for sample preparation; the laboratory will make measurements and perform testing in accordance with this method and any referenced test methods that is included in the laboratory’s scope of accreditation.

Tensile and compression testing is excluded.

Section 7 – Test protocol for mobile furnace tests is excluded

Determination of the fire resistance of products listed in the current Schedule to the Certificate of Accreditation using the alternative heating conditions specified in:

- RABT-ZTV (Car) curve
- RABT-ZTV (Train) curve
- RWS - Rijkswaterstatt curve
- HCM - Modified Hydrocarbon curve
- HC - Hydrocarbon curve

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