Issue date: 26 July 2022
Valid Until: 23 March 2025

NO: SAMM 458

LABORATORY LOCATION/ CENTRAL OFFICE:	Fire Science Research Group No. 31, Jalan Perindustrian 5, Sakinas Industrail Park Off Jalan Haji Abdul Manan 51/2 Miles, Jalan Meru, 41050 Klang, Selangor , 41050, SELANGOR MALAYSIA
ACCREDITED SINCE :	23 MARCH 2010
FIELD(S) OF TESTING:	THERMAL (FIRE)

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Fire Science Research Group No. 31, Jalan Perindustrian 5, Sakinas Industrail Park Off Jalan Haji Abdul Manan 51/2 Miles, Jalan Meru, 41050 Klang, Selangor , 41050, Selangor
FIELD(S) OF TESTING :	THERMAL,

SCOPE OF TESTING : THERMAL (FIRE)

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
1. Doorsets 2. Glazed Elements 3. Drywall Partitions 4. Masonry / Blockwall Elements 5. Membrane Ceilings 6. Loadbearing Ceilings 7. Suspended Ceilings 8. Non-loadbearing Steel Elements 9. Raised Access Floors 10. Access Panels 11. Penetration Seals	Fire resistance test	BS 476-20:1987 Fire test on building materials and structures, Part 20: Method for determination of the fire resistance of elements of construction (general principles) BS 476-21:1987 Fire test on building materials and structures, Part 21: Methods for determination of the fire resistance of loadbearing elements of construction - Clause 7

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
		BS 476-22:1987 Fire test on building materials and structures, Part 22: Method for determination of the fire resistance of non-loadbearing elements of construction AS 1530.4: 2014 Methods for fire tests on building materials, components and structures, Part 4: Fire-resistance test of elements of construction - Section 1, 2, 3, 4, 7, 8 ISO 834-1: 1999 Fire resistance tests - Elements of building construction Part 1: General Requirements ISO 834-5: 2000 Fire resistance tests - Elements of building construction Part 5: Specific requirements for loadbearing horizontal separating elements ISO 834-8: 2002 Fire resistance tests - Elements of building construction Part 8: Specific requirements for non-loadbearing vertical separating elements ISO 834-9: 2003 Fire resistance tests - Elements of building construction Part 9: Specific requirements for non-loadbearing ceiling elements

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Valid Until: 23 March 2025

NO: SAMM 458

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
1. Walls 2. Ceilings 3. Curtain Walling	Fire resistance test	BS EN 1363-1: 2020 Fire resistance tests Part 1: General requirements BS EN 1364-1: 2015 Fire resistance tests for nonloadbearing elements. Part 1: Walls BS EN 1364-2: 2018 Fire resistance tests for nonloadbearing elements. Part 2: Ceilings EN 1364-4:2014 Fire resistance tests for nonloadbearing elements Part 4: Curtain Walling – Part Configuration
Air Duct	Fire resistance test	AS 1530.4: 2014 Section 9 (Internal Fire Testing only)
Service Penetration And Control Joints	Fire resistance test	AS 1530.4: 2014 Section 10
Horizontal Ducts Type A, Type B	Determination of fire resistance	BS 476: Part 24: 1987