

## ACCREDITATION SCHEME FOR CERTIFICATION BODIES



# Schedule

Setsco Services Pte Ltd  
531 Bukit Batok Street 23  
Singapore 659547

Certificate No : PD-2010-10  
(Part 2 of 6)

Issue No : 18

Date : 05 October 2023

Expiry of Certificate : 18 October 2026

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### Product Certification Scheme – Fire Safety Product

- ISO/IEC Type 1b Certification scheme consisting of type test of a sample of the product representative of production and subsequent batch inspection
- ISO/IEC Type 2 Certification scheme consisting of type test of a sample of the product representative of production and subsequent market surveillance
- ISO/IEC Type 5 Certification scheme consisting of type test of a sample of the product representative of production; initial audit of factory quality management system; and subsequent periodic surveillance of the factory quality management system and samples of the product.

S/N	Product Description	Test Standard Number	Test Standard Description	Type
1	Auditorium seats	BS 5852: 2006 Clause 12 Ignition Source 0, 1 & 5	Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources	1b
2	Battery system (for exit signs and emergency lighting)	SS 563-1: 2010(2017) + A1: 2017 SS 563-1: 2010 (2017)	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 1: Emergency lighting	1b, 5
		ISO 30061: 2007	Emergency Lighting	1b, 5
		SS 563-2: 2010(2017) + A2: 2017 SS 563-2: 2010 (2017)	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 2: Installation requirements and maintenance procedures	1b, 5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		AS/NZS 2293-1: 2018	Emergency Lighting and Exit Signs for building	1b, 5
3	Bin / linen chute door	BS 476 Part 22: 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-loadbearing elements of construction	1b, 5
		EN 1634-1:2014+A1:2018 EN 1634-1: 2014	Fire resistance tests for door & shutter assemblies – Part 1: Fire doors and shutters	1b, 5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures – Part 4: Fire resistance test of elements of construction	1b, 5
4	Breeching inlet	BS 5041: Part 3: 1975	Fire hydrant systems equipment – Specification for inlet breechings for dryer riser inlets	1b, 5
5	Coldroom material (fire-rated)  <i>Fire resistance test</i>	BS 476-22: 1987	Fire tests on building materials and structures. Method for determination of the fire resistance of non-loadbearing elements of construction	5
		EN 1364-1: 2015	Fire resistance tests for non-loadbearing elements. Walls	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures – Part 4: Fire resistance test of elements of construction	5
		ASTM E119 – 22 ASTM E119-20 ASTM E119-19 ASTM E119-18a ASTM E119-16	Standards tests methods for fire tests of building construction and materials	5
		ISO 834-8: 2002 / COR 1: 2009	Fire-resistance tests – Elements of building construction – Part 8: Specific requirements for non-	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
			loadbearing vertical separating elements – Technical Corrigendum 1	
	<i>Toxicity emission test</i>	EN 45545-2: 2020 EN 45545-2: 2013 + A1: 2015	Railway applications. Fire protection on railway vehicles. Requirements for fire behaviour of materials and components	5
	<i>Smoke density test</i> <i>Flame spread test</i>	EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
6	Coldroom material (non-fire-rated)	EN 45545-2: 2020 EN 45545-2: 2013 + A1: 2015	Railway applications. Fire protection on railway vehicles. Requirements for fire behaviour of materials and components	5
	<i>Toxicity emission test</i>			
	<i>Smoke density test</i> <i>Flame spread test</i>	EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
7	Composite panel (cladding to external wall)	BS 476 Pt 4: 1970	Fire Tests on Building Materials and Structures. Part 4: Non-Combustibility test for materials	2
	<i>Composite panel shall be tested on its core material or as an assembly</i>	BS 476 Pt 11: 1982	Fire tests on building materials and structures. Part 11: Method for assessing the heat emission from building materials	2
		BS 476 Pt 6:1989 + A1: 2009	Fire Tests on building materials and structures – Part 6: Method of test for fire propagation for products	2
		BS 476 Part 7: 1997	Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products	2
		EN 13501-1: 2018	Fire classification of construction products and building elements.	2

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 13501-1: 2007 + A1: 2009	Classification using data from reaction to fire tests	
	<i>For test on the composite panel assembly</i>	NFPA 285: 2023 NFPA 285: 2019 NFPA 285: 2012	Standard fire test method for evaluation of fire propagation characteristics of exterior wall assemblies containing combustible components	2
8	Engineered Timber	EN 1363-1: 2020 EN 1363-1: 2012	Fire resistance tests. General requirements	5
		EN 1364-1: 2015	Fire resistance tests for non-loadbearing elements. Walls	5
		EN 1364-2: 2018 EN 1364-2: 1999	Fire resistance tests for non-loadbearing elements. Ceilings	5
		EN 1365-1: 2012	Fire resistance tests for loadbearing elements. Walls	5
		EN 1365-2:2014	Fire resistance tests for loadbearing elements - Floors and roofs	5
9	Door closer / Digital Lockset/ other hardware	SS 332: 2018+A1:2022, Clause 6 SS 332: 2018, Clause 6 SS 332: 2007, Clause 5	Specification for fire doors	2, 5
		BS EN 1154: 1997 Incorporating Amendment No. 1 and Corrigendum No. 1	Building hardware. Controlled door closing devices. Requirements and test methods	5
		EN 179: 2008	Building hardware. Emergency exit devices operated by a lever handle or push pad, for use on escape routes. Requirements and test methods	5
		EN 1125: 2008	Building hardware. Panic exit devices operated by a horizontal bar, for use on escape routes. Requirements and test methods	5
		EN 1155: 1997	Building hardware. Electrically powered hold-open devices for	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
			swing doors. Requirements and test methods	
		EN 1158: 1997	Building hardware. Door Coordinator Devices. Requirements and test methods	5
		EN 1303: 2015	Building hardware. Cylinders for locks. Requirements and test methods	5
		EN 1527: 2019 + A1:2021 EN 1527: 2019 EN 1527: 2013	Building hardware. Hardware for sliding doors and folding doors. Requirements and test methods	5
		EN 1906: 2012	Building hardware. Lever handles and knob furniture. Requirements and test methods	5
		EN 1935: 2002	Building hardware. Single-axis hinges. Requirements and test methods	5
		EN 12051: 2000	Building hardware. Door and window bolts. Requirements and test methods	5
		EN 12209: 2016	Building hardware. Locks and latches. Mechanically operated locks, latches and locking plates. Requirements and test methods	5
		EN 14846: 2008	Building hardware. Locks and latches. Electromechanically operated locks and striking plates. Requirements and test methods	5
		EN 15684: 2020 EN 15684: 2012	Building hardware. Mechatronic cylinders. Requirements and test methods	5
10	Emergency lighting (self-contained)	IEC 60598-2-22: 2021 IEC 60598-2-22: 2014 + A1: 2017 IEC 60598-2-22: 2014	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	1b, 5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		SS 563-1: 2010(2017) + A1: 2017 SS 563-1: 2010(2017)	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 1: Emergency lighting	1b, 5
		ISO 30061: 2007	Emergency Lighting	1b, 5
		SS 563-2: 2010(2017) + A2: 2017 SS 563-2: 2010 (2017)	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 2: Installation requirements and maintenance procedures	1b, 5
11	Exit sign (powered electrically)	IEC 60598-2-22: 2021 IEC 60598-2-22: 2014 + A1: 2017 IEC 60598-2-22: 2014	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	1b, 5
		SS 563-1: 2010(2017) + A1: 2017 SS 563-1: 2010(2017)	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 1: Emergency lighting	1b, 5
		ISO 30061: 2007	Emergency Lighting	1b, 5
		SS 563-2: 2010(2017) + A2: 2017 SS 563-2: 2010 (2017)	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 2: Installation requirements and maintenance procedures	1b, 5
12	Finishing material for wall / ceiling	BS 476 Part 11:1982	Fire tests on building materials and structures. Method for assessing the heat emission from building materials	2
		BS 476 Part 4: 1970	Fire tests on building materials and structures. Non-combustibility test for materials	2
		BS 476 Pt 6:1989 + A1: 2009	Fire Tests on building materials and structures – Part 6: Method	2

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
			of test for fire propagation for products	
		BS 476 Part 7:1997	Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of product	2
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	2
13	Fire alarm panel	BS EN 54: Part 2: 1997 + A1: 2006	Fire detection and fire alarm systems: Control and indicating equipment	1b, 5
		BS EN 54: Part 4: 1998	Fire detection and fire alarm systems: Power supply equipment	1b, 5
		SS 645: 2019 SS CP 10: 2005	Code of practice for the Installation and servicing of electrical fire alarm system	1b, 5
14	Fire damper	SS 333: 2022 Clause 6.3 to 6.6 SS 333: 2012 Clause 6.3 to 6.6	Specification for fire dampers	1b
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	1b
		ISO 834-8: 2002 / COR 1: 2009	Fire-resistance tests – Elements of building construction – Part 8: Specific requirements for non-loadbearing vertical separating elements – Technical Corrigendum 1	1b
		ISO 834-9: 2003 / COR 1: 2009	Fire-resistance tests – Elements of building	1b

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
			construction – Part 9: Specific requirements for non-loadbearing ceiling elements – Technical Corrigendum 1	
		EN 1751: 2014 Clause 5.2.1 to 5.2.4	Ventilation for buildings. Air terminal devices. Aerodynamic testing of damper and valves	1b
		UL 555: 2006 Clause 11.2 & 13	Standard for Fire Dampers	1b
15	Fire extinguishing system for kitchen hood	UL 300: 2019 UL 300: 2005	Standard for fire testing of fire extinguishing systems for protection of commercial cooking equipment	5
16	Fire hose reel	BS EN 671: Part 1: 2012	Fixed firefighting systems. Hose Systems. Hose reel with semi-rigid hose	1b, 5
17	Fire pump	AS 2941: 2013	Fixed fire protection installations - Pumpset systems	5
		UL 448: 2020 UL 448: 2017 UL 448: 2007	UL Standard for Safety Centrifugal Stationary Pumps for Fire-Protection Service	5
		FM 1311: 2020 FM 1311: 2018 FM 1311: 2007	Approval Standard for Centrifugal Fire Pumps Split-Case Type (Axial or Radial)	5
		FM 1319: 2020 FM 1319: 2018 FM 1319: 2008	Centrifugal fire pumps (horizontal, end-suction type)	5
18	Fire stopping material (including fire-rated collar)	BS 476-20: 1987	Fire tests on building materials and structures. Method for determination of the fire resistance of elements of construction (general principles)	5
	<i>For penetration gaps and linear joints</i>	AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures – Fire-resistance test of elements of construction	5
		EN 1366-3: 2021	Fire resistance tests for service	5

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		EN 1366-3: 2009	installations. Penetration seals	
		EN 1366-4: 2021 EN 1366-4: 2006 + A1: 2010	Fire resistance tests for service installations. Linear joint seals	5
		ASTM E814 - 13a(2017)	Standard Test Method for Fire Tests of Penetration Firestop Systems	5
	<i>For curtain wall application</i>	ASTM E2307 - 20 ASTM E2307 - 19 ASTM E2307 - 15be1	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus	5
19	Standby fire hose	BS 6391: 2009	Specification for non-percolating layflat delivery hoses and hose assemblies for fire fighting purposes	1b, 5
20	Fire-rated-hatch door	BS 476 Pt 22: 1987	Fire Tests on Building Materials and Structures. Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction	1b, 5
		EN 1634-1:2014+A1:2018 EN 1634 -1: 2014	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance test for door and shutter assemblies and openable windows	1b, 5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	1b, 5
21	Fire-resistant cables	SS 299: 2021 SS 299 Part 1: 1998(2013)	Specification for fire resistant cables – Part 1: Performance requirements for cables required to maintain circuit integrity under fire conditions	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		BS 6387: 2013	Test method for resistance to fire of cables required to maintain circuit integrity under fire conditions	5
		BS 7846: 2015	Electric cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1 000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire - Specification	5
22	Fire-rated ceiling (Compartmentation)  Timber products: See section on cross/glued laminated timber	BS 476 Pt 22:1987	Fire tests on building materials and structures – Part 22: Method for determination of the fire resistance of non-load bearing elements of construction	5
		EN 1364-2: 2018 EN 1364-2: 1999	Fire resistance tests for non-loadbearing elements. Ceilings	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ASTM E119 – 22 ASTM E119 - 20 ASTM E119 - 19 ASTM E119 - 18a ASTM E119 - 16	Standards tests methods for fire tests of building construction and materials	5
		ISO 834-9: 2003 / COR 1: 2009	Fire-resistance tests – Elements of building construction – Part 9: Specific requirements for non-loadbearing ceiling elements – Technical Corrigendum 1	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5

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		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
23	Fire-rated ceiling (Protection to steel beams that support RC floor)	BS 476-23: 1987	Fire tests on building materials and structures. Methods for determination of the contribution of components to the fire resistance of a structure	5
		AS 1530 Pt 4: 2014	Methods for fire tests on building materials, components and structures – Fire-resistance test of elements of construction	5
		ISO 834-5: 2000	Fire-resistance tests — Elements of building construction — Part 5: Specific requirements for loadbearing horizontal separating elements	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
24	Fire-rated ceiling (Protection to timber/ steel flooring)	BS 476 Pt 21: 1987	Fire Tests on Building Materials and Structures. Part 21: methods of determination of the fire resistance of loadbearing	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
			elements of construction	
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ISO 834-5: 2000	Fire-resistance tests – Elements of building construction — Part 5: Specific requirements for loadbearing horizontal separating elements	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
25	Fire-rated door	SS 332: 2018+A1:2022, Clause 6 SS 332: 2018, Clause 5 SS 332: 2007, Clause 4	Specification for fire doors	1b, 5
		EN 1634-1:2014+A1:2018 EN 1634 -1: 2014	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance test for door and shutters assemblies and openable windows.	1b, 5
	For fire-rated glass door impact test	BS 6206: 1981	Specification for impact performance requirements for flat safety glass and safety plastics for use in buildings	1b, 5

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		AS/NZS 2208: 1996/ Amdt.1:1999	Safety glazing materials in buildings	1b, 5
		EN 12600: 2002	Glass in building. Pendulum test. Impact test method and classification for flat glass	1b, 5
26	Fire-rated duct system (i.e. ventilation, smoke-extraction and/or kitchen exhaust ducting system)	BS 476 Pt 24: 1987	Fire Tests on Building Materials and Structures. Part 24: Methods for determination of the fire resistance of ventilation ducts	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		EN 1366-1: 2014+A1: 2020 EN 1366-1: 2014	Fire resistance tests for service installations. Ventilation ducts	5
		EN 1366-8: 2004	Fire resistance tests for service installations. Smoke extraction ducts	5
		EN 1366-9: 2008	Fire resistance tests for service installations. Single compartment smoke extraction ducts	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
27	Fire-rated enclosure / spraying material (protection to building	BS 476: Part 20: 1987	Fire tests on building materials and structures. Method for determination of the fire resistance of elements of	5

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	service i.e. cables, sanitary pipes, chilled water pipes, etc.)		construction (general principles)	
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ASTM E119 – 22 ASTM E119 - 20 ASTM E119 - 19 ASTM E119 - 18a ASTM E119 - 16	Standards tests methods for fire tests of building construction and materials	5
		EN 13381-4: 2013	Test methods for determining the contribution to the fire resistance of structural members. Applied passive protection products to steel members	5
		ISO 834-1: 1999 / AMD 2: 2021 ISO 834-1: 1999 / AMD 1: 2012	Fire-resistance tests — Elements of building construction — Part 1: General requirements — Amendment 1	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
28	Fire-rated enclosure / spraying material (protection to firefighting system) (i.e. dry riser pipe etc.)	FSB/PSB/001 (issue 1.3.2007)	Fire Resistance Test on clad pipe and its penetration through wall	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components	5

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			and structures - Fire-resistance tests for elements of construction	
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
29	Fire-rated enclosure/spraying material (protection to steel structure)	BS 476 Pt 21: 1987	Fire Tests on Building Materials and Structures. Part 21: methods of determination of the fire resistance of loadbearing elements of construction	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ISO 834-6: 2000	Fire-resistance tests — Elements of building construction — Part 6: Specific requirements for beams	5
		ISO 834-7: 2000	Fire-resistance tests — Elements of building construction — Part 7: Specific requirements for columns	5
		BS 5234 Pt 2: 1992	Partitions (including matching linings). Part 2: Specification for performance requirements for strength and robustness including methods of test	5
		EN 13381-4: 2013	Test methods for determining	5

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			the contribution to the fire resistance of structural members. Applied passive protection products to steel members	
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
	<i>For calcium silicate or cement board</i>	ISO TR 1896: 1991	Products in fibre-reinforced cement – Non-combustible fibre-reinforced boards of calcium silicate or cement for insulation and fire-protection	5
	<i>For gypsum plaster board</i>	BS EN 520: 2004 + A1: 2009	Gypsum plasterboards. Definitions, requirements and test methods.	5
30	Fire rated floor  (timber products: see section on cross/glued laminated timber)	BS 476-21: 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of loadbearing elements of construction	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ISO 834-5: 2000	Fire-resistance tests — Elements of building construction — Part 5: Specific requirements for loadbearing horizontal separating elements	5

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		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
31	Fire-rated glass block / glass partition	BS 476 Pt 22: 1987	Fire Tests on Building Materials and Structures. Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction	5
		EN 1364-1: 2015	Fire resistance tests for non-loadbearing elements. Walls	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ASTM E119 – 22 ASTM E119 - 20 ASTM E119 - 19 ASTM E119 - 18a ASTM E119 - 16	Standards tests methods for fire tests of building construction and materials	5
		ISO 834-8: 2002 / COR 1: 2009	Fire-resistance tests – Elements of building construction – Part 8: Specific requirements for non-loadbearing vertical separating elements – Technical Corrigendum 1	5
		BS 6206: 1981	Specification for impact performance requirements for flat safety glass and safety plastics for use in buildings	5

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		AS/NZS 2208: 1996/ Amdt.1:1999	Safety glazing materials in buildings	5
		EN 12600: 2002	Glass in building. Pendulum test, Impact test method and classification for flat glass	5
32	Fire rated lift landing / dumb waiter door	BS 476 Pt 22:1987	Fire Tests on Building Materials and Structures. Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction	1b, 5
		EN 81-58: 2022 EN 81-58: 2018 EN 81-58: 2003	Safety rules for the construction and installation of lifts. Examination and tests. Landing doors fire resistance test	1b, 5
	<i>For fire-rated glass door (impact test)</i>	BS 6206: 1981	Specification for impact performance requirements for flat safety glass and safety plastics for use in buildings	1b, 5
		AS/NZS 2208: 1996/ Amdt.1:1999	Safety glazing materials in buildings	1b, 5
		EN 12600: 2002	Glass in building. Pendulum test, Impact test method and classification for flat glass	1b, 5
33	Fire-rated partition (Compartment wall)	BS 476 Pt 22:1987	Fire tests on building materials and structures – Part 22: Method for determination of the fire resistance of non-load bearing elements of construction	5
		EN 1364-1: 2015	Fire resistance tests for non-loadbearing elements. Walls	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ASTM E119 – 22 ASTM E119 - 20 ASTM E119 - 19 ASTM E119 - 18a	Standards tests methods for fire tests of building construction and materials	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		ASTM E119 - 16		
		ISO 834-8: 2002 / COR 1: 2009	Fire-resistance tests – Elements of building construction – Part 8: Specific requirements for non-loadbearing vertical separating elements – Technical Corrigendum 1	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
34	Fire-rated partition (Protected shaft enclosing lift)	BS 5234 Pt 2: 1992	Partitions (including matching linings). Part 2: Specification for performance requirements for strength and robustness including methods of test	5
		EN 1364-1: 2015	Fire resistance tests for non-loadbearing elements. Walls	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ASTM E119 – 22 ASTM E119 - 20 ASTM E119 - 19 ASTM E119 - 18a ASTM E119 - 16	Standards tests methods for fire tests of building construction and materials	1b, 2 & 5
		ISO 834-8: 2002 / COR 1: 2009	Fire-resistance tests – Elements of building construction – Part 8: Specific requirements for non-	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
			loadbearing vertical separating elements – Technical Corrigendum 1	
		BS 476 Pt 22: 1987	Fire Tests on Building Materials and Structures. Part 22: Methods of determination of the fire resistance of non-loadbearing elements of construction	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
	<i>For gypsum plaster board</i>	BS EN 520: 2004 + A1: 2009	Gypsum plasterboards. Definitions, requirements and test methods.	5
	<i>For calcium silicate or cement board</i>	ISO TR 1896: 1991	Products in fibre-reinforced cement – Non-combustible fibre-reinforced boards of calcium silicate or cement for insulation and fire protection	5
	<i>Cyclic loading &amp; dynamic test</i>	Clause 3.8.7 (b).5 of Fire Code	Code of practice for installation, operation and maintenance of electric passenger and goods lifts	5
35	Fire-rated partition (protected shaft enclosing staircase or services)	BS 476 Pt 22: 1987	Fire Tests on Building Materials and Structures. Part 22: Methods of determination of the fire resistance of non-loadbearing elements of construction	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 1364-1: 2015	Fire resistance tests for non-loadbearing elements. Walls	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
		ASTM E119 – 22 ASTM E119 - 20 ASTM E119 - 19 ASTM E119 - 18a ASTM E119 - 16	Standards tests methods for fire tests of building construction and materials	5
		ISO 834-8: 2002 / COR 1: 2009	Fire-resistance tests – Elements of building construction – Part 8: Specific requirements for non-loadbearing vertical separating elements – Technical Corrigendum 1	5
		BS 5234 Pt 2: 1992	Partitions (including matching linings). Part 2: Specification for performance requirements for strength and robustness including methods of test	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
	<i>For gypsum plaster board</i>	BS EN 520: 2004 + A1: 2009	Gypsum plasterboards. Definitions, requirements and test methods.	5
	<i>For calcium silicate or</i>	ISO TR 1896: 1991	Products in fibre-reinforced	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
	<i>cement board</i>		cement– Non-combustible fibre-reinforced boards of calcium silicate or cement for insulation and fire protection	
36	Fire rated shutter/ fire curtain	SS 489: 2015 + C1: 2017, Clauses 5 & 4.5.1 SS 489: 2015, Clauses 5 & 4.5.1	Specification for fire shutters	1b
		EN 1634-1:2014+A1:2018 EN 1634 -1: 2014	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance test for door and shutter assemblies and openable windows	1b
37	Home fire alarm device (i.e. Smoke detectors)	EN 14604: 2005	Smoke Alarm Devices	2
		AS 3786: 2023 AS 3786: 2014 / Amdt 2: 2018 AS 3786: 2014	Smoke alarms using scattered light, transmitted light or ionization	2
		UL 217: 2020 (9th Ed.)	Standard for Safety for Smoke Alarms	2
38	Household shelter door	(a) SCDF File Ref: CD/SB/A7/14/13 dated 28 Feb 2002: Technical Requirements of Household Shelters 2001 & Product Listing Scheme for Household Shelter (HS) Doors  (b) SCDF File Ref: CD/FSSB/12/01/03/04 dated 17 Mar 2004: Product Listing Scheme (PLS) for Household Shelter (HS) Doors – Revision in Rubber Gasket Specification  (c) SCDF File Ref: CD/FSSB/12/01/03/04 dated 08 February 2006: Product Listing Scheme for Household Shelter Doors – Revision in CED Coating Test Specification		5
39	Intumescent coating system (for protection to steel structure)	BS 8202 Pt 2: 1992	Coating for fire protection of building elements. Part 2: Code of practice for the use of intumescent coating systems to	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
	<i>Durability tests</i>		metallic substrates for providing fire resistance	
	<i>Load-bearing fire resistance test</i>	BS 476-21: 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of loadbearing elements of construction	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
	<i>Fire resistance test</i>	ISO 834-6: 2000	Fire-resistances tests – Elements of building construction — Part 6: Specific requirements for beams	5
		ISO 834-7: 2000	Fire-resistance tests — Elements of building construction — Part 7: Specific requirements for columns	5
		EN 13381-8: 2013	Test methods for determining the contribution to the fire resistance of structural members	5
	<i>For fire resistance test and durability test</i>	EN 16623: 2015	Paints and varnishes – Reactive coatings for fire protection of metallic substrates – Definitions, requirements, characteristics and marking	5
40	Landing valve	BS 5041 Part1: 1987	Fire hydrant systems equipment. Specification for landing valves for wet risers	1b, 5
41	Material for wall / ceiling /	BS 476 Part 4: 1970	Fire tests on building materials	2

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
	floor construction		and structures. Non-combustibility test for materials	
		BS 476 Part 11: 1982	Fire tests on building materials and structures. Method for assessing the heat emission from building materials	2
		BS 476 Pt 6: 1989 + A1: 2009	Fire Tests on building materials and structures – Part 6: Method of test for fire propagation for products	2
		BS 476 Part 7: 1997	Fire Tests on building materials and structures – Part 7: Method of test to determine the classification of the surface spread of flame of products	2
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	2
42	Plastic finishing material for floor	EN 45545-2: 2020 EN 45545-2: 2013 + A1: 2015	Railway applications. Fire protection on railway vehicles. Requirements for fire behaviour of materials and components	2
		EN ISO 5659-2: 2017 EN ISO 5659-2: 2012	Plastics. Smoke generation. Determination of optical density by a single-chamber test	2
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	2
		EN 14041: 2018 EN 14041: 2004	Resilient, textile, laminate and modular multilayer floor coverings. Essential characteristics	2
		EN ISO 9239-1: 2010	Reaction to fire tests for floorings. Determination of the burning behaviour using a radiant heat source	2

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		ASTM E662 – 21ae1 ASTM E662 – 21 ASTM E662 - 17	Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials	2
		ASTM E648 - 19ae1 ASTM E648 - 17	Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source	2
		NFPA 253: 2023 NFPA 253: 2019 NFPA 253: 2015	Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	2
		NFPA 258: 2001	Recommended Practice for Determining Smoke Generation of Solid Materials	2
43	Plastic roof covering material	EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	2
		EN 13501-5: 2016	Fire classification of construction products and building elements. Classification using data from external fire exposure to roofs tests	2
		BS 476-3: 2004	Fire tests on building materials and structures. Classification and method of test for external fire exposure to roofs	2
		BS 476-6: 1989 + A1: 2009	Fire tests on building materials and structures. Method of test for fire propagation for products	2
		BS 476-7: 1997	Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products	2

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		ASTM E108 – 20a ASTM E108 – 20 ASTM E108 – 17	Standard Test Methods for Fire Tests of Roof Coverings	2
44	Plastic wall / ceiling material / finishes	EN 45545-2: 2013 + A1: 2015 EN 45545-2: 2020	Railway applications. Fire protection on railway vehicles. Requirements for fire behaviour of materials and components	2
		EN ISO 5659-2: 2017	Plastics. Smoke generation. Determination of optical density by a single-chamber test	2
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	2
		BS 476-7: 1997	Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products	2
		NFPA 285: 2023 NFPA 285: 2019 NFPA 285: 2012	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components	2
45	Portable fire extinguisher	SS EN 3-7: 2012(2020) SS EN 3-7: 2012	Portable fire extinguishers - Characteristics, performance requirements and test methods	1b, 5
		EN 3-8:2021 SS EN 3-8:2012 (2020) EN 3-8: 2006, IDT	Portable fire extinguishers - Additional requirements to SS EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar	1b, 5
		SS EN 3-9:2012 (2020) EN 3-9: 2006, IDT	Portable fire extinguishers - Additional requirements to SS EN 3-7 for pressure resistance	1b, 5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
			of CO2 extinguishers	
46	Raised floor panel	BS 476 Part 4:1970	Fire tests on building materials and structures. Non-combustibility test for materials	2
		BS 476 Part 11:1982	Fire tests on building materials and structures. Method for assessing the heat emission from building materials	2
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	2
47	Roof covering material  <i>For non-fire-rated roof covering material</i>	BS 476 Part 4: 1970	Fire tests on building materials and structures. Non-combustibility test for materials	2
		BS 476 Part 11: 1982	Fire tests on building materials and structures. Method for assessing the heat emission from building materials	2
		BS 476 Part 6: 1989 + A1: 2009	Fire tests on building materials and structures. Method of test for fire propagation for products	2
		BS 476 Part 7:1997	Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products	2
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	2
		EN 13501-5: 2016	Fire classification of construction products and building elements. Classification using data from external fire exposure to roofs tests	2

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		ASTM E108 – 20a ASTM E108 - 20 ASTM E108 - 17	Standard Test Methods for Fire Tests of Roof Coverings	2
	<i>For fire-rated roof covering material</i>	BS 476-22: 1987	Fire tests on building materials and structures. Method for determination of the fire resistance of non-loadbearing elements of construction	5
		BS 476-4: 1970	Fire tests on building materials and structures - Non-combustibility test for materials	5
		BS 476-11: 1982	Fire tests on building materials and structures - Method for assessing the heat emission from building materials	5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	5
		EN 1364-2: 2018 EN 1364-2: 1999	Fire resistance tests for non-loadbearing elements. Ceilings	5
		AS 1530.4: 2014 AS 1530.4: 2005	Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction	5
48	Exit Sign (Self-luminous sign; powered by radioactive material)	SS 508-3: 2013 + A1: 2016	Graphical symbols – Safety colours and safety signs Part 3: Design Principles for graphical symbols for use in safety signs	1b, 5
		UL 924: 2016	Standard for Emergency Lighting and Power Equipment	1b, 5
		SS 508-1: 2013 + A1:2016 SS 508-1: 2013	Graphical symbols – Safety colours and safety signs - Design	1b, 5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
			principles for safety signs and safety markings	
		ISO 3864-1: 2011	Graphical symbols. Safety colours and safety signs. Design principles for safety signs and safety markings	1b, 5
		SS 508-2: 2008(2013) +A2:2016 SS 508-2: 2008 (2013)	Specification for graphical symbols - Safety colours and safety signs - Design principles for product safety labels	1b, 5
		ISO 3864-2: 2016	Graphical symbols. Safety colours and safety signs. Design principles for product safety labels	1b, 5
		ISO 3864-3: 2012	Graphical symbols. Safety colours and safety signs. Design principles for graphical symbols for use in safety signs	1b, 5
		SS 508-5: 2013	Graphical symbols – Safety colours and safety signs - Registered safety signs	1b, 5
		ISO 7010: 2019 / AMD 6: 2022 ISO 7010: 2019 / AMD 5: 2022 ISO 7010: 2019 / AMD 4: 2021 ISO 7010: 2019 / AMD 3: 2021 ISO 7010:2019 / AMD 2: 2020 ISO 7010: 2019 / AMD 1: 2020 ISO 7010: 2011	Graphical symbols. Safety colours and safety signs. Registered safety signs	1b, 5
		SS 563-1: 2010(2017) + A1: 2017 SS 563-1: 2010(2017)	Code of practice for the design, installation and maintenance of emergency lighting and power	1b, 5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
	<i>For 'EXIT' sign</i>		supply systems in buildings - Part 1: Emergency lighting	
		ISO 30061: 2007	Emergency Lighting	1b, 5
		SS 563-2: 2010(2017) + A2: 2017 SS 563-2: 2010 (2017)	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 2: Installation requirements and maintenance procedures	1b, 5
49	Smoke curtain / barrier	EN 12101-1: 2005 + A1: 2006	Smoke and heat control systems. Specification for smoke barriers	1b
50	(a) Solar photovoltaic (PV) roof-mounted module	IEC 61730-2: 2016	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing	2
	(b) Solar Photovoltaic (PV) Wall-Mounted Module	IEC 61730-2: 2016 MST 22, 23, 25 and 26	Photovoltaic (PV) module safety qualification – Part 2 : Requirements for testing	1b, 5
		EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	
		EN IEC 61730-1:2018/AC:2018 IEC 61730-1: 2016	Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction	
51	Storey shelter door	SCDF File Ref: CD/FSSB/12/01/03/04 dated 08 February 2006: Product Listing Scheme (PLS) for Storey Shelter (SS) Door		5
52	Thermal insulation material	EN 13501-1: 2018 EN 13501-1: 2007 + A1: 2009	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	2
		BS 476 Part 7:1997	Fire Tests on building materials and structures – Part 7: Method of test the classification of the surface spread of flame of products	2
		BS 476 Part 6:1989 + A1:	Fire Tests on Building materials	2

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		2009	and structures – Part 6: Methods of test for fire propagation for products	
		BS 476 Part 4: 1970	Fire tests on building materials and structures. Non-combustibility test for materials	2
		BS 476 Part 11: 1982	Fire tests on building materials and structures. Method for assessing the heat emission from building materials	2
		EN 13501-2: 2016	Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services	2
53	UPVC window frame material	ASTM D635 - 22 ASTM D635 – 18 ASTM D635 - 14	Standard test method for rate of burning and/or extent and time of burning of plastics in a horizontal position	2

**Overseas location(s) with key activities:**

Nil

**Country where certificates are issued to:**

Singapore, Austria, Malaysia, United Kingdom, China, United Arab Emirates, Germany