

# Schedule

Element Testing Services (S) Pte Ltd  
249 Jalan Boon Lay  
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The accreditation covers the following scope:

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

S/N	Product Description	Test Standard Number	Test Standard Description	Type
1	Raised Floor Panel	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  EN 13501-1 + A1 : 2009  EN 13501-1: 2018	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	2
2	Composite Panel (Cladding to External Wall)	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Method of test for fire propagation for products.	5 or 2

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		BS 476 Part 11 : 1982	Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products.	
		BS 476 Part 6 : 1989 + A1:2009	Fire tests on building materials and structures. Method 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 products.	
		NFPA 285 : 2019	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components	
		EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
3	Fire Retardant Solution /Paint	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	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
4	Air Distribution Duct / Ducting	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  BS 476 Part 6 : 1989 + A1:2009  BS 476 Part 7 : 1997  EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire tests on building materials and structures. Method of test for fire propagation for products.  Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products.  Fire tests on building materials and structures. Method of test for fire propagation for products.  Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products  Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	2
5	Thermal Insulation Material	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	2

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		BS 476 Part 6 : 1989 + A1:2009	Fire tests on building materials and structures. Method 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 products.	
		EN 13501-1 + A1 : 2009	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		EN 13501-1: 2018		
		BS EN 45545-2:2013 + A1:2015	Railway applications – Fire Protection on railway vehicles	
		BS EN 45545-2:2020	Part 2: Requirements for fire behaviour of materials and components	
6	Finishing Material for Wall/Ceiling	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 of test for assessing the heat emission from building materials.	
		BS 476 Part 6 : 1989 + A1:2009	Fire tests on building materials and structures. Method 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 products.	
		EN 13501-1 + A1 : 2009	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		EN 13501-1: 2018		

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		BS EN 45545-2:2013 + A1:2015 BS EN 45545-2:2020	Railway applications – Fire Protection on railway vehicles Part 2: Requirements for fire behaviour of materials and components	
7	Material for Wall/Ceiling/Floor Construction	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  BS 476 Part 6 : 1989 + A1:2009  BS 476 Part 7 : 1997  EN 13501-1 + A1 : 2009 EN 13501-1: 2018  BS EN 45545-2:2013 + A1:2015 BS EN 45545-2:2020	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire tests on building materials and structures. Method of test for fire propagation for products.  Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products.  Fire classification of construction products and building elements. Classification using test data from reaction to fire tests  Railway applications – Fire Protection on railway vehicles Part 2: Requirements for fire behaviour of materials and components	2

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8	Roof Covering Material	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 of test for assessing the heat emission from building materials.	
		BS 476 Part 6 : 1989 + A1:2009	Fire tests on building materials and structures. Method 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 products.	
		ASTM E108 : 2000 ASTM E108-20a	Standard test methods for fire tests of roof coverings	
		UL 790	Standard test methods for fire tests of roof coverings	
		EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		EN 13501-5:2016	Fire classification of construction products and building elements - Part 5: Classification using data from external fire exposure to roofs tests	
		BS EN 45545-2:2013 + A1:2015 BS EN 45545-2:2020	Railway applications – Fire Protection on railway vehicles Part 2: Requirements for fire behaviour of materials and components	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
9	Roofing for Link way	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  BS 476 Part 6 : 1989 + A1:2009  BS 476 Part 7 : 1997  EN 13501-1 + A1 : 2009  EN 13501-1: 2018	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire tests on building materials and structures. Method of test for fire propagation for products.  Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products.  Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	2
10	Smoke Curtain Fabric	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  BS 476 Part 6 : 1989 + A1:2009  BS 476 Part 7 : 1997	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire tests on building materials and structures. Method of test for fire propagation for products.  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
		EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire classification of construction products and building elements. Classification using test data from reaction to fire test	
11	uPVC Window Frame Material	ASTM D635 : 2010	Standard test method for rate of burning and/or extent and time of burning of plastics in a horizontal position.	2
12	Fire Rated Board System	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire classification of construction products and building elements. Classification using test data from reaction to fire test	2
13	Fire Rated Spraying Material	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	2



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S/N	Product Description	Test Standard Number	Test Standard Description	Type
14	Compartment Wall (Fire Rated Partition System)	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Non-combustibility test for materials.	5
		BS 476 Part 11 : 1982	Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	
		BS 476 Part 6 : 1989 + A1:2009	Fire tests on building materials and structures. Method 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 products.	
		EN 13501-1 + A1 : 2009	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		EN 13501-1: 2018		
		BS 476 Part 22 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction.	
		ASTM E119 – 95A	Standard Tests methods for fire tests of building construction and materials.	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		NFPA 251 : 2006	Standard method of test of fire resistance of building construction and material.	
		EN 1364-1 : 2015	Fire resistance test for non-loadbearing element – Walls.	
		EN 1365-1 : 1999 EN 1365-1 : 2012	Fire resistance test for loadbearing element – Walls.	
15	Protected Shaft (Lift)	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Non-combustibility test for materials.	5
		BS 476 Part 11 : 1982	Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	
		EN 13501-1 + A1 : 2009	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		EN 13501-1: 2018		
		BS 476 Part 20 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction.	
		ASTM E119 – 95A	Standard tests methods for fire tests of building construction and materials.	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		NFPA 251 : 2006	Standard method of test of fire resistance of building construction and material.	
		EN 1364-1 : 2015	Fire resistance test for non-loadbearing element – Walls.	
		EN 1365-1 : 1999	Fire resistance test for loadbearing element – Walls.	
		EN 1365-1 : 2012		
		BS 5588 Part 5	Partitions (including matching linings) Part 2 : Specification for performance requirements for strength and robustness in methods of test	
		Appendix A : 2004		
		BS 5234 Part 2 : 1992	Partitions (including matching linings) Part 2 : Specification for performance requirements for strength and robustness in methods of test	
		Clause 3.3 Building Code of Australia C 1.8	Building Code of Australia 1996 Vol. 1 : Structural tests for lightweight construction	
		EN 520 : 2004 + A1 : 2009	Gypsum plasterboards. Definitions, requirements and test methods	
		BS 1230 Part 1 : 1985	Gypsum Plasterboard – Part 1 : Specification for plasterboard excluding materials submitted to Secondary Operations	
		ISO 1896 : 1991	Products in fibre-reinforced cement - Non- combustible fibre-reinforced boards of calcium silicate or cement for insulation and fire protection	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
16	Protected Shaft (Staircase or Services)	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Non-combustibility test for materials.	5
		BS 476 Part 11 : 1982	Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	
		EN 13501-1 + A1 : 2009	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		EN 13501-1: 2018		
		BS 476 Part 22 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction	
		ASTM E119 – 95A	Standard tests methods for fire tests of building construction and materials.	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	
		NFPA 251 : 2006	Standard method of test of fire resistance of building construction and material.	
		EN 1364-1 : 2015	Fire resistance test for non-loadbearing element – Walls.	
		EN 1365-1 : 1999 EN 1365-1 : 2012	Fire resistance test for loadbearing element – Walls.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		BS 5588 Part 5 Appendix A : 2004	Partitions (including matching linings) Part 2 : Specification for performance requirements for strength and robustness in methods of test	
		BS 5234 Part 2 : 1992	Partitions (including matching linings) Part 2 : Specification for performance requirements for strength and robustness in methods of test	
		EN 520 : 2004 + A1 : 2009	Gypsum plasterboards. Definitions, requirements and test methods.	
		BS 1230 Part 1 : 1985	Gypsum Plasterboard – Part 1 : Specification for plasterboard excluding materials submitted to Secondary Operations	
		ISO 1896 : 1991	Products in fibre-reinforced cement - Non- combustible fibre-reinforced boards of calcium silicate or cement for insulation and fire protection.	
17	Fire Rated Floor System	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Non-combustibility test for materials.	5
		BS 476 Part 11 : 1982	Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		BS 476 Part 21 : 1987	Fire tests on building materials and structures. Methods for determination of the contribution of components to the resistance of a structure.	
		AS 1530 Part 4 : 2005 AS 1530.4 : 2014	Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	
		EN 1365-2 : 2014	Fire resistance tests for loadbearing elements. Floors and roofs	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
18	Fire Rated Ceiling System (Glass)	BS 476 Part 21 : 1987  AS 1530 Part 4 : 2005 AS 1530.4 : 2014  ASTM E119 – 95A  ISO 834 : 2003  NFPA 251 : 2006  BS 6206 : 1981  AS 2208 : 1996 EN 1364-2 : 2018  EN 12600 : 2002	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.  Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction.  Standard tests methods for fire tests of building construction and materials.  Fire resistance tests – Elements of building construction.  Standard method of test of fire resistance of building construction and material.  Specification for Impact Performance requirements for flat safety glass and safety plastics for use in buildings.  Safety glazing materials in buildings.  Fire resistance test for non-loadbearing elements- Part 2: Ceilings Glass in building. Pendulum test. Impact test method and classification for flat glass	5
19	Compartmentation (Fire Rated Ceiling System)	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 13501-1 + A1 : 2009 EN 13501-1: 2018  BS 476 Part 22 : 1987  AS 1530 Part 4 : 2005 AS 1530.4 : 2014  ASTM E119 – 95A ISO 834 : 2003  EN 1364-2 : 2018  NFPA 251 : 2006	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests  Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction  Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction.  Standard tests methods for fire tests of building construction and materials. Fire resistance tests – Elements of building construction.  Fire resistance test for non-loadbearing elements- Part 2: Ceilings Standard method of test of fire resistance of building construction and material.	
20	Protection to Steel Beams that support RC floor	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  EN 13501-1 + A1 : 2009 EN 13501-1: 2018	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	5



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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		BS 476 Part 23 : 1987	Fire tests on building materials and structures. Methods for determination of the contribution of components to the resistance of a structure.	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction.	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	
21	Protection to Timber/Steel Flooring	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Non-combustibility test for materials.	5
		BS 476 Part 11 : 1982	Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	
		EN 13501-1 + A1 : 2009	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		EN 13501-1: 2018		
		BS 476 Part 21 : 1987	Fire tests on building materials and structures. Methods for determination of fire resistance of load bearing elements of construction.	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction.	
		EN 1365-2 : 2014	Fire resistance tests for loadbearing elements. Floors and roofs	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
22	Protection to Steel Structure	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Non-combustibility test for materials.	5
		BS 476 Part 11 : 1982	Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	
		EN 13501-1 + A1 : 2009	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	
		EN 13501-1: 2018		
		BS 476 Part 21 : 1987	Fire tests on building materials and structures. Methods for determination of the contribution of components to the resistance of a structure.	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction.	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	
		BS 5234 Part 2 : 1992	Partitions (including matching linings). Specification for performance requirements for strength and robustness including methods of test	
		ISO 1896 : 1991	Products in fibre-reinforced cement - Non- combustible fibre-reinforced boards of calcium silicate or cement for insulation and fire protection.	
		EN 13381-4 : 2013	Test methods for determining the contribution to fire resistance of structural members. Part 4: Applied passive protection to steel members	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 13381-8 : 2013  UL 1709  EN 520 : 2004 + A1 : 2009	Test methods for determining the contribution to fire resistance of structural members. Part 8: Applied reactive protection to steel members  Rapid rise fire tests of protection materials for structural steel  Gypsum plasterboards. Definitions, requirements and test methods.	
23	Protection to Fire Fighting System (ie. sprinkler, rising mains, hydrant etc)	FSB/PSB/001 (issue 1.3.2007) BS 476 Part 4 : 1970  BS 476 Part 11 : 1982  EN 13501-1 + A1 : 2009 EN 13501-1: 2018 BS 476 Part 20 : 1987  AS 1530 Part 4 : 2005 AS 1530.4 : 2014	Fire resistance test on clad pipe and its penetration through wall.  Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire classification of construction products and building elements. Classification using test data from reaction to fire tests  Fire tests on building materials and structures. Methods for determination of the fire resistance of elements of construction (general principles)  Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction.	5
24	Protection to Building Services (chilled water	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Non-combustibility test for materials.	5

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	pipe, sanitary pipes, cables etc)	BS 476 Part 11 : 1982  EN 13501-1 + A1 : 2009  EN 13501-1: 2018  BS 476 Part 20 : 1987  AS 1530 Part 4 : 2005  AS 1530.4 : 2014  ASTM E119 – 95A  EN 1366-5 : 2010  EN 1366-5 : 2021  ISO 834 : 2003  NFPA 251 : 2006	Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire classification of construction products and building elements. Classification using test data from reaction to fire tests  Fire tests on building materials and structures. Methods for determination of the fire resistance of elements of construction (general principles)  Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction  Standard tests methods for fire tests of building construction and materials  Fire resistance tests for service installations - Part 5: Service ducts and shafts  Fire resistance tests – Elements of building construction.  Standard method of test of fire resistance of building construction and material.	
25	Fire Rated Duct System (ventilation, smoke extraction and/or kitchen exhaust duct)	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	5

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		EN 13501-1 + A1 : 2009 EN 13501-1: 2018  BS 476 Part 24 : 1987  AS 1530 Part 4 : 2005 AS 1530.4 : 2014  ASTM E119 – 95A  ISO 834 : 2003  NFPA 251 : 2006  EN 1366-1 : 1999 EN 1366-1 : 2014  EN 1366-8 : 2004  EN 1366-9 : 2008	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests  Fire tests on building materials and structures. Methods for determination of ventilation ducts.  Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction.  Standard tests methods for fire tests of building construction and materials  Fire resistance tests – Elements of building construction.  Standard method of test of fire resistance of building construction and material.  Fire resistance tests for service installations. Fire resistance tests for service installations. Ventilation Ducts  Fire resistance tests for service installations. Smoke extraction ducts  Fire resistance tests for service installations. Single compartment smoke extraction ducts	
26	Fire Rated Board System (Structural Elements)	BS 476 Part 4 : 1970  BS 476 Part 11 : 1982	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	5

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		EN 13501-1 + A1 : 2009 EN 13501-1: 2018 BS 476 Part 21 : 1987 AS 1530 Part 4 : 2005 AS 1530.4 : 2014 ISO 834 : 2003	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests  Fire tests on building materials and structures. Methods for determination of the contribution of components to the resistance of a structure  Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction  Fire resistance tests – Elements of building construction.	
27	Portable Fire Extinguisher	SS EN 3-7 : 2012  SS EN 3-8 : 2012  SS EN 3-9 : 2012	Portable fire extinguishers - Characteristics, performance requirements and test methods.  Portable fire extinguishers - Additional requirements to SS EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum.  Portable fire extinguishers - Additional requirements to SS EN 3-7 for pressure resistance of CO2 extinguishers.	1b or 5
28	Breeching Inlet	BS 5041 Part 3 : 1975	Fire hydrant systems equipment. Specification for inlet breechings for dry riser inlets.	1b or 5
29	Landing Valve	BS 5041 Part 1 : 1975	Fire hydrant systems equipment. Specification for inlet breechings for wet risers.	1b or 5

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30	Standby Fire Hose	BS 6391 : 1983	Specification for non-percolating lay flat delivery hoses and hose assemblies for fire-fighting purposes.	1b or 5
31	Fire Hose Reel	EN 671-1 : 2012  SS 575 : 2012	Fixed fire fighting systems. Hose systems. Hose reels with semi-rigid hose.  Code of practice for fire hydrant, rising mains and hose reel systems.	1b or 5
32	Smoke Screen (Fixed)	EN 12101-1 : 2005 + A1 : 2006	Smoke and heat control systems. Specification for smoke barriers	5
33	Auditorium Seats	BS 5852 : 1990 Section 5 Ignition Source 0, 1 and 5	Methods of test for assessment of ignitability of upholstered seating by smoldering and flaming ignition sources.	1b or 5
34	Fire Rated Door	SS 332 : 2007 Clause 4 SS 332 : 2018 Clause 5  EN 1634-1:2014 + A1:2018  EN 12600 : 2002  BS 6206 : 1981  AS 2208 : 1996	Specification for fire doors.  Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 1: Fire resistance test for door and shutter assemblies and openable window Glass in building. Pendulum test. Impact test method and classification for flat glass  Specification for Impact Performance requirements for flat safety glass and safety plastics for use in buildings.  Safety glazing materials in buildings.	1b or 5
35	Fire Rated Hatch Door	BS 476 Part 22 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.	1b or 5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		AS 1530 Part 4 : 2005 AS 1530.4 : 2014 EN 1634-1:2014 + A1:2018	Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 1: Fire resistance test for door and shutter assemblies and openable window	
36	Fire Rated Lift Landing Door / Fire Rated Dumbwaiter Door	BS 476 Part 22 : 1987  EN 81 – 58 : 2003  BS 6206 : 1981  AS 2208 : 1996  EN 12600 : 2002	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.  Safety rules for the construction and Installation of lifts. Examination and Tests. Landing doors fire resistance test.  Specification for Impact Performance requirements for flat safety glass and safety plastics for use in buildings.  Safety glazing materials in buildings.  Glass in building. Pendulum test. Impact test method and classification for flat glass	1b or 5
37	Fire Rated Refuse Hopper	BS 476 Part 22 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.	1b or 5
38	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-load bearing elements of construction.	1b or 5



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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		AS 1530 Part 4 : 2005 AS 1530.4 : 2014  EN 1634-1:2014 + A1:2018	Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction  Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 1: Fire resistance test for door and shutter assemblies and openable window	
39	Fire Damper	SS 333 : 1996 Appendix A	Specification for fire dampers.	1b or 5
40	Fire Rated Shutter/ Fire Curtain	SS 489 : 2001 Annex A & Clause 3.5  EN 1634-1:2014 + A1:2018	Specification for Fire Shutters.  Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 1: Fire resistance test for door and shutter assemblies and openable window	1b
41	Door Hardware  (Controlled Door Closing Device - Surface Mounted Door Closer)   (Controlled Door Closing Device - Concealed Door Closer)	BS EN 1154 : 1997 Incorporating Amendment no 1 and Corrigendum no 1  SS 332 : 2018 Clause 6 Annex C  BS EN 1154 : 1997 Incorporating Amendment no 1 and Corrigendum no 1	Building Hardware. Controlled door closing devices. Requirements and test methods.  Specification for Fire Doors.  Building Hardware. Controlled door closing devices. Requirements and test methods.	5 / 2

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
	(Controlled Door Closing Device – Floor Mounted Door Closer / Floor Spring)	SS 332 : 2018 Clause 6 Annex C	Specification for Fire Doors.	
		BS EN 1154 : 1997 Incorporating Amendment no 1 and Corrigendum no 1	Building Hardware. Controlled door closing devices. Requirements and test methods.	
		SS 332 : 2018 Clause 6 Annex C	Specification for Fire Doors.	
	(Locks and Latches - Electromechanically Operated Locks and Striking Plates)	BS EN 14846 : 2008	Building hardware. Locks and latches. Electromechanically operated locks and striking plates. Requirements and test methods	
		SS 332 : 2018 Clause 6 Annex D	Specification for Fire Doors.	
	(Door Coordinator Devices)	BS EN 1158 : 1997 Incorporating Amendment no 1 and Corrigenda Nos. 1 and 2	Building hardware. Door coordinator devices. Requirements and test methods	
		SS 332 : 2018 Clause 6 Annex E	Specification for Fire Doors.	
	(Door Bolts)	EN 12051: 1999	Building hardware. Door and window bolts. Requirements and test methods	
		SS 332 : 2018 Clause 6 Annex F	Specification for Fire Doors.	
	(Lever Handles and Knob Furniture)	BS EN 1906: 2012	Building hardware. Lever handles and knob furniture. Requirements and test methods	
		SS 332 : 2018 Clause 6 Annex G	Specification for Fire Doors.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
	(Mechanical Locks and Latches)	BS EN 12209: 2016  SS 332 : 2018 Clause 6 Annex H	Building hardware. Mechanically operated locks and locking plates. Requirements and test methods Specification for Fire Doors.	
	(Emergency Exit Devices)	BS EN 179: 2008  SS 332 : 2018 Clause 6 Annex I	Building hardware. Emergency exit devices operated by a lever handle or push pad, for use on escape routes. Requirements and test method Specification for Fire Doors.	
	(Panic Exit Devices)	BS EN 1125: 2008  SS 332 : 2018 Clause 6 Annex J	Building hardware. Panic exit devices operated by a horizontal bar, for use on escape routes. Requirements and test methods Specification for Fire Doors.	
	(Single Axis Hinges)	BS EN 1935: 2002 Incorporating Corrigendum No. 1 SS 332 : 2018 Clause 6 Annex K	Building hardware. Single-axis hinges. Requirements and test methods Specification for Fire Doors.	
	(Electrically Powered Hold-Open Devices for Swing Doors)	BS EN 1155 : 1997 Incorporating Amendment no 1 and Corrigendum nos. 1, 2 and 3 SS 332 : 2018 Clause 6 Annex L	Building hardware. Electrically powered hold-open devices for swing doors. Requirements and test method Specification for Fire Doors.	
	(Cylinders for Locks)	BS EN 1303 : 2015  SS 332 : 2018 Clause 6 Annex M	Building hardware. Cylinders for locks. Requirements and test methods Specification for Fire Doors.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
	(Mechatronics Cylinders)	BS EN 15684 : 2012	Building hardware. Mechatronic cylinders. Requirements and test methods	
		SS 332 : 2018 Clause 6 Annex N	Specification for Fire Doors.	
	(Mechatronics Door Furniture)	BS EN 16867:2020	Building hardware. Mechatronic door furniture. Requirements and test methods	
	(Automatic Door Operator)	BS EN 16005:2012 Incorporating corrigenda November 2013 and August 2015	Power operated pedestrian doorsets – Safety in use - Requirements and test methods	
42	Fire Rated Glass Partition System	EN 1364-1 : 2015	Fire resistance test for non-loadbearing element - Walls	5
		BS 476 Part 22 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction	
		ASTM E119 – 95A	Standard tests methods for fire tests of building construction and materials	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	
		NFPA 251 : 2006	Standard method of test of fire resistance of building construction and material.	
		BS 6206 : 1981	Specification for impact performance requirements for flat safety glass and safety plastics for use in buildings.	
		AS 2208 : 1999	Safety glazing materials in buildings.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 12600 : 2002	Glass in building. Pendulum test. Impact test method and classification for flat glass	
43	Fire Rated Glass Block System	BS 476 Part 22 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction	5
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction	
		ASTM E119 – 95A	Standard tests methods for fire tests of building construction and materials	
		EN 1364-1 : 2015	Fire resistance test for non-loadbearing element – Walls	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	
		NFPA 251 : 2006	Standard method of test of fire resistance of building construction and material.	
		BS 6206 : 1981	Specification for Impact Performance requirements for flat safety glass and safety plastics for use in buildings.	
		AS 2208 : 1999	Safety glazing materials in buildings.	
		EN 12600 : 2002	Glass in building. Pendulum test. Impact test method and classification for flat glass	
44	Fire Collar	BS 476 Part 20 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.	5
		BS 476 Part 22 : 1987	Methods for determination of the fire resistance of non load bearing elements of construction	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 1366-3 : 2009 EN 1366-3 : 2021	Fire resistance tests for service installation: Penetration seals.	
		EN 1366-4 : 2006 +A1 : 2010 EN 1366-4 : 2021	Fire resistance tests for service installations. Linear joint seals	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction	
		ASTM E119 – 95A	Standard tests methods for fire tests of building construction and materials	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	
		NFPA 251 : 2006	Standard method of test of fire resistance of building construction and material.	
		ASTM E814-13a (2017)	Standard Test Method for Fire Tests of Through-Penetration Fire Stops	
		ASTM E2307-19	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus	
		ASTM E2307-20		
45	Fire Stopping Material	BS 476 Part 20 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction.	5
		BS 476 Part 22 : 1987	Methods for determination of the fire resistance of non load bearing elements of construction	
		EN 1366-3 : 2009 EN 1366-3 : 2021	Fire resistance tests for service installation: Penetration seals.	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		EN 1366-4 : 2006 + A1:2010 EN 1366-4:2021	Fire resistance tests for service installations. Linear joint seals	
		AS 1530 Part 4 : 2005 AS 1530.4 : 2014	Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction	
		ASTM E119 – 95A	Standard tests methods for fire tests of building construction and materials	
		ISO 834 : 2003	Fire resistance tests – Elements of building construction.	
		NFPA 251 : 2006	Standard method of test of fire resistance of building construction and material.	
		ASTM E814-13a (2017)	Standard Test Method for Fire Tests of Through-Penetration Fire Stops	
		ASTM E2307-19 ASTM E2307-20	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus	
46	Intumescent Coating System	BS 8202 Part 2 : 1992  BS 476 Part 21 : 1987	Coating for fire protection of building elements: Code of practice for the use of intumescent coating systems to metallic substrates for providing fire resistance.  Fire tests on building materials and structures. Methods for determination of the contribution of components to the resistance of a structure.	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		AS 1530 Part 4 : 2005 AS 1530.4 : 2014 ISO 834 : 2003 EN 13381-8 : 2013 UL 1709 EN 16623:2015	Methods of fire tests on building materials, components and structures Part 4: Fire resistance test of elements of construction. Fire resistance tests – Elements of building construction. Test methods for determining the contribution to fire resistance of structural members. Part 8: Applied reactive protection to steel members Rapid rise fire tests of protection materials for structural steel Paints and varnishes. Reactive coatings for fire protection of metallic substrates. Definitions, requirements, characteristics and marking	
47	Fire Extinguishing System for Kitchen Hood	UL 300	Standard for fire testing of fire extinguishing systems for protection of commercial cooking equipment.	5
48	Fire Pump	AS 2941 : 1995 UL 448 FM 1311 : 2007 FM 1317 : 2008	Centrifugal stationary pumps for fire-protection service Fixed fire protection installations – Pumpset system Approval standards for centrifugal fire pumps split case type (axial or radial) Approval standards for centrifugal fire pumps split case type (horizontal, end-suction type)	5
49	Exit Sign (powered electrically)	SS 263 : Part 2 : 1998 SS 508 Part 1 : 2004	Specification for luminaires - Luminaires for emergency lighting Graphical symbols – Safety colours and safety signs - Design principles for safety signs and safety markings	1b or 5



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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		SS 508 Part 2 : 2008	Specification for graphical symbols - Safety colours and safety signs - Design principles for product safety labels	
		SS 563 Part 1 : 2010	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 1 : Emergency lighting	
		SS 563 Part 2 : 2010	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	
50	Emergency Lighting (Self –Contained)	SS 263 : Part 2 : 1998	Specification for luminaires - Luminaires for emergency lighting	1b or 5
		SS 563 Part 1 : 2010	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 1 : Emergency lighting	
		SS 563 Part 2 : 2010	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	
51	Battery System (for exit signs and emergency lighting)	SS 563 Part 1 : 2010	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 1 : Emergency lighting	1b or 5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		SS 563 Part 2 : 2010	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	
52	Self-Luminous Sign (powered by radioactive material)	SS 508 Part 1 : 2004	Graphical symbols – Safety colours and safety signs - Design principles for safety signs and safety markings	1b or 5
		SS 508 Part 2 : 2008	Specification for graphical symbols - Safety colours and safety signs - Design principles for product safety labels	
		SS 563 Part 1 : 2010	Code of practice for the design, installation and maintenance of emergency lighting and power supply systems in buildings - Part 1 : Emergency lighting	
		SS 563 Part 2 : 2010	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	
53	Fire Alarm Panel	EN 54 Part 2 : 1997	Fire detection and fire alarm systems. Control and indicating equipment	1b or 5
		EN 54 Part 4 : 1997	Fire detection and fire alarm systems. Power supply equipment	
		SS CP 10 : 2005	Code of Practice for the installation and maintenance of Emergency Lighting and Power Supply Systems in Buildings	

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
54	Fire-rated Cable	SS 299 : Part 1 : 1998 SS 299 : 2021	Specification for fire resistant cables, Part 1 : Performance requirements for cables required to maintain circuit integrity under fire conditions	5
55	Smoke Curtain	EN 12101-1 : 2005 + A1 : 2006	Smoke and heat control systems. Specification for smoke barriers	1b
56	Household Shelter Door	SCDF File Ref: CD/FSSB/12/01/03/04 dated 8 Feb 2006	Technical Requirements for Storey Shelters 1997 Annex A	5
57	Storey Shelter Door	SCDF File Ref: CD/FSSB/12/01/03/04 dated 8 Feb 2006	Technical Requirements for Storey Shelters 1997 Annex A	5
58	Blast Hatch	SCDF File Ref: CD/FSSB/12/01/03/04 dated 8 Feb 2006 SCDF Synopsis dated 26 Oct 2010	Technical Requirements for Storey Shelters 1997 Annex A Cyclic test, water tightness test, galvanized coating test	5
59	Ventilation Sleeve	SCDF Synopsis dated 26 Oct 2010	Chemical Composition of Stainless Steel	5
60	Solar Photo-voltaic (PV) roof-mounted module	SS IEC 61730-2:2020 IEC 61730-2:2016 IEC 61730-2:2012  MST 23 (Fire Test)  UL 790  ASTM E108-20a  EN 13501-5:2016	Photovoltaic (PV) module safety qualification Part 2 : Requirements for testing    Standard test methods for fire tests of roof coverings  Standard test methods for fire tests of roof coverings  Fire classification of construction products and building elements - Part 5: 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
		MST 24 (Ignitability Test)  EN ISO 11925-2	Reaction to fire tests – Ignitability of products subjected to direct impingement of flame. Part 2: Single-flame source test	
61	Plastic Finishing Material for Floor	BS 476 Part 4:1970  BS 476-11:1982  EN 13501-1:2018  BS EN 45545-2:2013 + A1:2015  BS EN 45545-2:2020	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire classification of construction products and building elements Classification using test data from reaction to fire tests.  Railway applications – Fire Protection on railway vehicles Part 2: Requirements for fire behaviour of materials and components	2
62	Coldroom Material (Non Fire Rated / Fire Rated)	BS 476 Part 4:1970  BS 476-11:1982  EN 13501-1:2018  BS EN 45545-2:2013 + A1:2015	Fire tests on building materials and structures. Non-combustibility test for materials.  Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.  Fire classification of construction products and building elements Classification using test data from reaction to fire tests.  Railway applications – Fire Protection on railway vehicles	5

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S/N	Product Description	Test Standard Number	Test Standard Description	Type
		BS EN 45545-2:2020	Part 2: Requirements for fire behaviour of materials and components	
		BS 476 Part 22 : 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-load bearing elements of construction	
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures	
		AS 1530.4 : 2014	Part 4: Fire resistance test of elements of construction	
		EN 1364-1 : 2015	Fire resistance test for non-loadbearing element – Walls.	

**Foreign critical location :** Nil

**Country where certificates are issued:** Singapore