

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

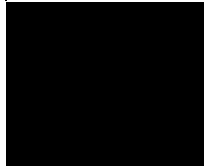
Page : 2 of 29

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 3 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
		BS 476 Part 11 : 1982 or	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	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 135011 + A1 : 2009	 ion of construction building elements.	

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 4 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
6	Finishing Material for Wall/Ceiling	EN 135011 + A1 : 2009 BS 476 Part	Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 5 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
		BS 476 Part 7 : 1997 EN 135011 + A1 : 2009	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	
8	Roof Covering Material	BS 476 Part 4 : 1970 BS 476 Part 11 : 1982 or BS 476 Part 6 : 1989 and/or BS 476 Part 7 : 1997 ASTM E108 : 2000 EN 135011 + A1 : 2009	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 Standard test methods for fire test roof coverings Fire classification of construction products and building elements. Classification using test data from reaction to fire tests	2
9	Roofing for Link way	BS 476 Part 4 : 1970	Fire tests on building materials and structures. Non-combustibility test for materials.	2

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 7 of 29

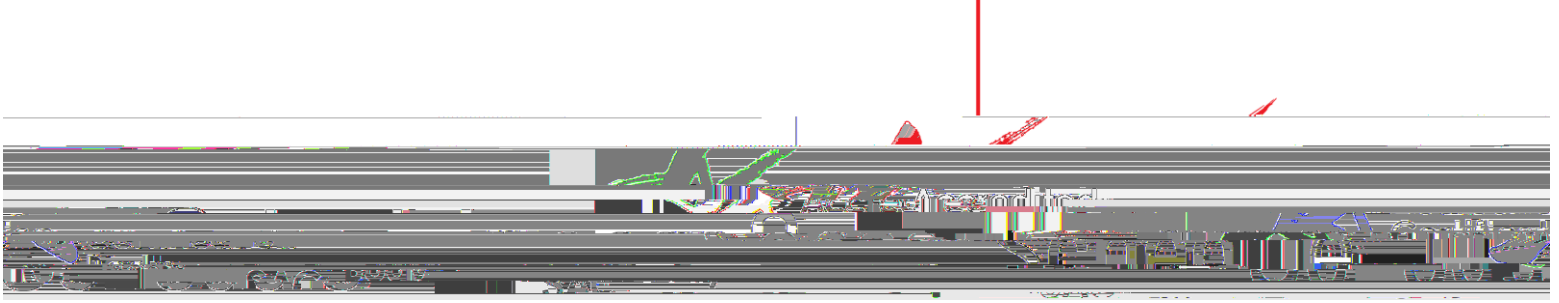
S/No	Product Description	Test Standard Number	Test Standard Description	Type
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Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 9 of 29



Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 10 of 29

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 11 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
		BS 476 Part 11:1982 or EN 13501-1 + A1 : 2009 &	Fire tests on building materials and structures. Method of test for assessing the heat emission from building materials.	

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 14 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
		AS 2208 : 1996	Safety glazing materials in buildings	
19	Compartmentation, Ceiling	BS 476 Part 4 : 1970 or BS 476 Part 11 : 1982 or EN 135011 + A1 : 2009 &	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
		BS 476 Part 22 : 1987 or AS 1530 Part 4 : 2005 or	Fire tests on building materials and structures. Methods for determination of the fire resistance of nonload bearing elements of construction Methods of fire tests on building materials, components and structures. Fire resistance test of elements of construction.	5

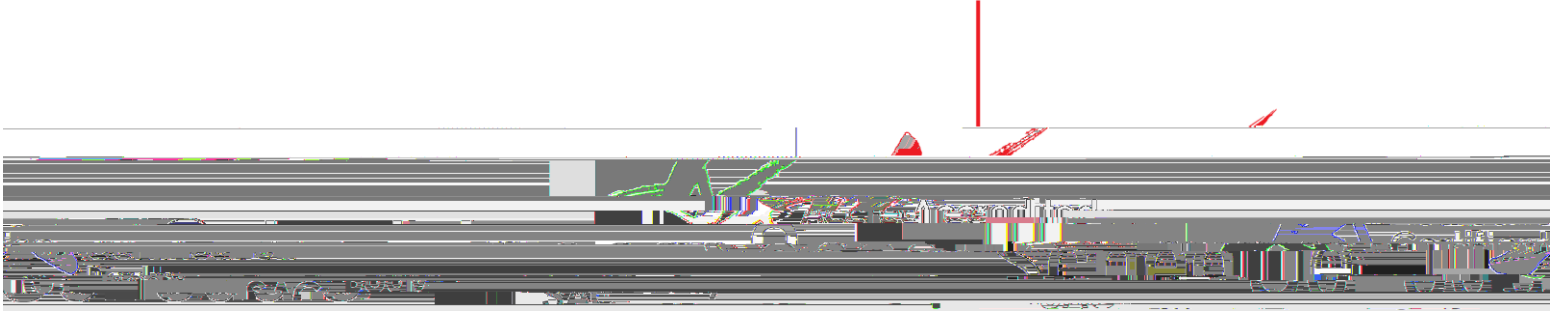
Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 15 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
		BS 476 Part 11 : 1982 or		




Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 16 of 29



Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 17 of 29

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 18 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
		AS 1530 Part 4 : 2005	Methods of fire tests on building materials, components and structures. Fire resistance test of elements of construction.	
24	Protection to Building Services (chilled water pipe, sanitary pipes, cables etc)	BS 476 Part 4 : 1970 or BS 476 Part 11 : 1982 or EN 135011 + A1 : 2009 & BS 476 Part 20 : 1987 or	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 (gener	2

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 22 of 29

Certificate No. PD-201012

Issue No. : 5

Date

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 24 of 29

Certificate No. PD-201012

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 26 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
		ASTM E2307 : 2004	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate Scale, Multistory Test Apparatus	
43	Intumescent Coating	BS 8202 Part 2 : 1982 BS 476 Part 21 : 1987 or AS 1530 Part 4 : 2005 or ISO 834 : 2003	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. Methods of fire tests on building materials, components and structures. Fire resistance test of elements of construction. Fire resistance tests. Elements of building construction.	5
44	Fire Extinguishing System for Kitchen Hood	UL 300 : 2005	Standard for fire testing of fire extinguishing systems for protection of commercial cooking equipment.	5
45	Fire Pump	AS 2941 : 1995 or		

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 27 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
46	Exit Sign (powered electrically)	FM 1317 : 2008 or SS 263 : Part 2 : 1998 or	Approval standards for centrifugal fire pumps split case type (horizontal, end suction type) Specification for luminaires Luminaires for emergency lighting	

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 28 of 29

Certificate No. PD-201012

Issue No. : 5

Date 14 May 2018

Page : 29 of 29

S/No	Product Description	Test Standard Number	Test Standard Description	Type
50	Fire Alarm Panel	EN 54 Part 2 : 1997 & EN 54 Part 4 : 1997 & SS CP 10 : 2005	Fire detection and fire alarm systems. Control and indicating equipment Fire detection and fire alarm systems. Power supply equipment Code of Practice for the installation and maintenance of Emergency Lighting and Power Supply Systems in Buildings	1b or 5
51	Fire-rated Cable	SS 299 : Part 1 : 1998	Specification for fire resistant cable Part 1 : Performance requirements for cables required to maintain circuit integrity under fire conditions	5
52	Smoke Curtain	EN 12101-1 : 2005 + A1 : 2006	Smoke and heat control systems. Specification for smoke barriers	1b
53	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
54	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
55	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
56	Ventilation Sleeve	SCDF Synopsis dated 26 Oct 2010	Chemical Composition of Stainless Steel	5

Foreign critical location : Nil

Country where certificates are issued: Singapore