



No. 091

**Research Engineering Development Facade Consultants Ltd. -
Fire and Facade Testing Laboratory**

雄略幕牆顧問有限公司

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CLIENTELE : Public
服務對象 公眾

**ACCREDITED TEST
CATEGORIES** : Construction Materials 建築材料
認可測試類別

**SCOPE OF
ACCREDITATION** : As shown on the following pages 詳見後頁
認可範圍

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Main Laboratory				
TEST CATEGORY 測試類別	ITEMS, MATERIALS OR PRODUCTS TESTED 測試項目、材料或產品	SPECIFIC TESTS OR PROPERTIES MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術	
CONSTRUCTION MATERIALS 建築材料	Fusible Link	Sampling Test Procedure on Fusible Link	FSD Sampling Test Procedure on Fusible Link for use in fire Damper of Ventilating Systems 2005	
	Fire Resistance Test	Partition, doorsets and non-loading elements	BS 476: Parts 20 and 22: 1987 GB 9978-1999 GB 7633-1987 GB 12513-2006 ISO 834-1999 ISO 834-1:1999(E) ISO 834-8:2000(E) ISO 3008-1999(E) ISO 3009-2003 ISO 10294-1:1996(E) BS EN 1363:1999 BS EN 1634-1:2000 BS EN 1364-1:1999 BS EN 1366-2:1999 AS1530.4:2005 (Section 3, 7, 8 and 9) ASTM E119 : 2008 ASTM E2074-2000 SS332: 2000-Clause 4 Annex E UL 10B-2008 UL 10C-2001 BS7346: Part 3: 1990 (Clause 4.1)	
	Non-combustibility Test	Building Materials	BS 476: Part 4: 1970	
	Heat Emission Test	Building Materials	BS 476: Part 11: 1982	
	Building Glass	Impact performance requirements for flat Safety glass/plastics		BS 6206: 1981 and ANSI Z97.1: 2004
		Frost point sealed insulating glass units		ASTM E 546-88 (Reapproved 1999)
		Frost point sealed insulating glass units in vertical position		ASTM E 576-88 (Reapproved 1999)
		Non-Destructive Photoelastic Measurement of Surface Stresses in Flat Glass		ASTM C1279 (2005)
	Louver	Performance Test on Louvers		AMCA 500-L-07 and BS EN 13030: 2001 HEVAC Technical Specification 1995

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CONSTRUCTION MATERIALS (cont'd) 建築材料(續上)	Curtain Wall	Safety test for curtain wall system -cyclic test	Building Department PNAP 106 June 2006 (Paragraph 4)
		Water Penetration by Uniform Static Air Pressure Difference	ASTM E331: 2000
		Water Penetration by Cyclic Static Air Pressure Difference	ASTM E547: 2000
		Structural Performance by Uniform Static Air Pressure Difference	ASTM E330: 2002
		Water Penetration by Dynamic Pressure	AAMA 501.1: 2005
		Air Leakage	ASTM E283: 2004
		Static Test to Seismic and Wind Interstory Drafts	AAMA 501.4: 2000
	Slab/sheeting	Loading Test on Composite Slab with Profiled Steel Sheeting	BS 5950: Part 4: 1994 (Section 8: Specific Tests) and Code of Practice for the Structural Use of Steel 2005 (Section 16.4.2: Specific Tests)
		Loading Test on Composite Slab on Profiled Steel Sheeting	BS EN 1994-1-1: 2004 and ANSI/ASCE 3-91
		Loading Test on Profiled Steel Sheeting	Loading Test on Profiled Steel Sheeting BS EN 1993-1-3: 2006 (Annex A.2)

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CONSTRUCTION MATERIALS (cont'd) 建築材料(續上)	Building Glass	Impact performance requirements for flat Safety glass/plastics	BS6206:1981 and ANSI Z97.1: 2004
		Frost point sealed insulating glass units	ASTM E 546-88 (Reapproved 1999)
		Frost point sealed insulating glass units in vertical position	ASTM E 576-88 (Reapproved 1999)
	Fire Resistance Tests	Loadbearing /non-loadbearing vertical and horizontal elements	AS 1530.4-2005
		Loadbearing /non-loadbearing vertical and horizontal elements	ASTM E119 :2008
		Loadbearing vertical and horizontal elements	BS 476: Parts 20: and Part 21: 1987
		Non-loadbearing vertical and horizontal elements	BS 476: Parts 20: and Part 22: 1987
		Ventilation Ducts	BS 476: Parts 20: and Part 24: 1987
		Fire Doorsets and shutters assemblies	BS EN 1634-1:2000
		Non-loadbearing vertical elements	BS EN 1364-1:1999
		Non-loadbearing horizontal elements	BS EN 1364-2:1999
		Loadbearing vertical elements	BS EN 1365-1:1999
		Loadbearing horizontal elements	BS EN 1365-2:1999
		Loadbearing beams	BS EN 1365-3:2000
		Loadbearing columns	BS EN 1365-4:1999
		Fire dampers	BS EN 1366-2:1999
		Fire Resistance Tests of Door Assemblies	SS332: 2000-Clause 4 Annex E UL 10B-2008 UL 10C-2001
Fire Resistance Tests on Components for Smoke and Heat Control Systems –	BS7346: Part 3: 1990 (Clause 4.1) Specification for Smoke Curtains		

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CONSTRUCTION MATERIALS (cont'd) 建築材料(續上)	Fire Resistance Tests (cont'd)	Loadbearing /non-loadbearing vertical and horizontal elements	GB 9978-1999
		Fire doorsets and shutters assemblies	GB 7633-1987
		Glazed partitions and windows	GB 12513-2006
		Loadbearing vertical elements	ISO 834-1:1999(E) & ISO 834-4:2000(E)
		Loadbearing horizontal elements	ISO 834-1:1999(E) & ISO 834-5:2000(E)
		Loadbearing beams	ISO 834-1:1999(E) & ISO 834-6:2000(E)
		Loadbearing columns	ISO 834-1:1999(E) & ISO 834-7:2000(E)
		Non-loadbearing vertical elements	ISO 834-1:1999(E) & ISO 834-8:2000(E)
		Non-loadbearing horizontal elements	ISO 834-1:1999(E) & ISO 834-9:2003(E)
		Fire dampers for air distribution systems	ISO 10294-1:1996(E)
		Fire Doorsets and shutters assemblies	ISO 3008-1999(E)
		Glazed elements	ISO 3009-2003
		Door assemblies	ASTM E2074-2000
		Curtain Wall	Safety test for curtain wall system -cyclic test
	Water Penetration by Uniform Static Air Pressure Difference		ASTM E331: 2000
	Water Penetration by Cyclic Static Air Pressure Difference		ASTM E547: 2000
	Structural Performance by Uniform Static Air Pressure Difference		ASTM E330: 2002
	Water Penetration by Dynamic Pressure		AAMA 501.1: 2005
	Air Leakage		ASTM E283: 2004
	Static Test to Seismic and Wind Interstory Drafts	AAMA 501.4: 2000	

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CONSTRUCTION MATERIALS (cont'd) 建築材料(續上)	Fire testing	Fixed Firefighting Systems - Components for Sprinkler and Water Spray Systems Operating temperature of glass bulk and fusible link sprinklers Water flow test Water distribution test Functional test Leak resistance test Glass bulk sprinkler thermal shock test Impact test Automatic Sprinklers for Fire-Protection Service Glass bulk thermal shock Impact resistance test Impact test for protective covers Flow usage test Leakage test Operating temperature test Water distribution test- Conventional (Old Style) Sprinklers Portable fire extinguishers fire performance rating Portable fire extinguishers compaction test Burst test under pressure Pressure test– Bodies, fittings and assemblies Pressure test – Pressure gauges and pressure Indicators	EN12259-1:1999 Annex B EN12259-1:1999 Annex C EN12259-1:1999 Annex D EN12259-1:1999 Annex E EN12259-1:1999 Annex H EN12259-1:1999 Annex J EN12259-1:1999 Annex Q UL 199-05 Clause 18 UL 199-05 Clause 20 UL 199-05 Clause 21 UL 199-05 Clause 23 UL 199-05 Clause 24 UL 199-05 Clause 30 UL 199-05 Clause 52 BS EN 3-7: 2004 Annex I BS EN 3-7: 2004 Annex K BS EN 3-8:2006 Section 6.3.2 BS EN 3-8:2006 Section 6.3.4 BS EN 3-8:2006 Section 6.3.5

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CONSTRUCTION MATERIALS (cont'd) 建築材料(續上)	Metallic materials	Tension Testing of Metallic Materials	ASTM E8 - 04 BS EN 10002-1:2001
		Salt Spray (Fog) of metallic materials and coating	ASTM B117- 03
		Fluorescent UV-Condensation exposures Of metallic materials and coating	ASTM D 4587 - 05
	Structural fixings	Structural fixings in concrete and masonry	BS 5080-1: 1993 and BS 5080-2: 1986