



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

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

ADDRESS : DD134, Lot No. 126-128, Lung Kwu Tan, Tuen Mun,
地址 New Territories, Hong Kong.
香港新界屯門龍鼓灘丈量約份第134約地段第126-128號

ENQUIRY : Dr YUEN Sai-wing, Quality Manager
查詢 袁世榮博士，品質管理部經理

TELEPHONE : 2807 0930
電話

FAX : 2662 6105
傳真

CLIENTELE : Public
服務對象 公眾



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

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

ADDRESS

地址

- Main Laboratory** : DD134, Lot No. 126-128, Lung Kwu Tan, Tuen Mun,
New Territories, Hong Kong
香港新界屯門龍鼓灘丈量約份第 134 約地段第 126-128 號
- Branch Laboratory** : Unit 02, 28/F, Global Gateway Tower, 63 Wing Hong Street,
Cheung Sha Wan, Kowloon
香港九龍長沙灣永康街 63 號 Global Gateway Tower 28 樓 02 室
- Test Location at
Huizhou** : Route YE60, Shan Pi Village, Lilin Town, Zhong Kai Gao Xin District,
Huizhou City, Guang Dong Province, China
中國廣東省惠州市仲愷高新區瀝林鎮山陂村 YE60 路
- Test Location at
Nansha** : No. 111 Jiaoxin Road, Lanhe Town, Nansha District, Guangzhou, China
中國廣州市南沙區欖核鎮滘新路 111 號
- ACCREDITED TEST** : Construction Materials 建築材料
- CATEGORY**
認可測試類別

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

DD134, Lot No. 126-128, Lung Kwu Tan, Tuen Mun, New Territories, Hong Kong.

香港新界屯門龍鼓灘丈量約份第 134 約地段第 126-128 號

Construction Materials 建築材料

ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Fire (Fire resistance tests)	<p>Fire resistance tests for loadbearing vertical elements (excluding impact test) in the force range 0 kN - 800 kN</p> <p>Fire resistance tests for loadbearing horizontal elements in the force range 0 kN - 800 kN</p> <p>Fire resistance tests for non-loadbearing vertical and horizontal elements of building construction</p> <p>Fire resistance tests for door, shutters and openable windows</p>	<p>AS 1530.4-2005 AS 1530.4-2014 ASTM E119-16a ASTM E119-20 BS 476: Part 20: 1987 + Amd. 6487 + Corr. 1: 2014 and BS 476: Part 21: 1987 + Corr. 1: 2014 BS EN 1365-1: 1999 excluding Cl. 9.5 BS EN 1365-1: 2012 excluding Cl. 9.5 GB/T 9978.1-2008 and GB/T 9978.4-2008 ISO 834-1: 1999(E) and ISO 834-4: 2000(E) UL 263: 2011</p> <p>AS 1530.4-2005 AS 1530.4-2014 ASTM E119-16a ASTM E119-20 BS 476: Part 20: 1987 + Amd. 6487 + Corr. 1: 2014 and BS 476: Part 21: 1987 + Corr. 1: 2014 BS EN 1365-2: 2000 BS EN 1365-2: 2014 GB/T 9978.1-2008 and GB/T 9978.5-2008 ISO 834-1: 1999(E) & ISO 834-5: 2000(E) UL 263: 2011</p> <p>AS 1530.4-2005 AS 1530.4-2014 ASTM E119-16a ASTM E119-20 BS 476: Part 20: 1987 + Amd. 6487 + Corr. 1: 2014 and BS 476: Part 22: 1987 + Corr. 1: 2014 GB/T 9978.1-2008 and GB/T 9978.8-2008 GB/T 9978.1-2008 and GB/T 9978.9-2008 UL 263: 2011</p> <p>BS EN 1634-1: 2014 + A1: 2018 NFPA 252: 2012</p>

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

DD134, Lot No. 126-128, Lung Kwu Tan, Tuen Mun, New Territories, Hong Kong.

香港新界屯門龍鼓灘丈量約份第 134 約地段第 126-128 號

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Fire (Fire resistance tests) (cont'd)	Fire resistance tests of door assemblies	ASTM E2074-2000 SS 332: 2007 + Amd. 1: 2009 Cl. 4 and Annex E UL 10B-2009 UL 10B-2015 UL 10C-2009 UL 10C-2016 BS EN 1634-1: 2014 + A1: 2018 in conjunction with the following specification(s): SS 332: 2018 Cl. 5 and Annex B
	Fire resistance tests for fire doorsets and shutters assemblies	BS EN 1634-1: 2008 and BS EN 1634-2: 2008 GB/T 7633-2008 ISO 3008-1: 2007(E)
	Fire resistance tests – general requirements alternative and additional procedures (excluding impact test)	ASTM E119-16a ASTM E119-20 BS EN 1363-1: 1999 BS EN 1363-1: 2012 BS EN 1363-1: 2020 BS EN 1363-2: 1999 excluding Cl. 4 & Cl. 7 ISO 834-1: 1999 + Amd. 1: 2012(E) UL 263: 2011
	Fire resistance tests for glazed elements of building construction	GB/T 12513-2006 ISO 3009-2003(E) NFPA 257: 2012
	Fire resistance tests for non-loadbearing vertical elements (excluding impact test)	BS EN 1364-1: 1999 excluding Cl. 9.5 BS EN 1364-1: 2015 excluding Cl. 9.5 ISO 834-1: 1999(E) and ISO 834-8: 2002(E)
	Fire resistance tests for non-loadbearing horizontal elements	BS EN 1364-2: 1999 BS EN 1364-2: 2018 ISO 834-1: 1999(E) and ISO 834-9: 2003(E)
	Fire resistance tests for non-loadbearing elements: curtain walling	BS EN 1364-3: 2006 BS EN 1364-3: 2014 BS EN 1364-4: 2007 BS EN 1364-4: 2014

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

DD134, Lot No. 126-128, Lung Kwu Tan, Tuen Mun, New Territories, Hong Kong.

香港新界屯門龍鼓灘丈量約份第 134 約地段第 126-128 號

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Fire (Fire resistance tests) (cont'd)	Fire resistance tests for loadbearing elements - beams in the force range 0 kN - 800 kN	BS EN 1365-3: 2000 ISO 834-1: 1999(E) and ISO 834-6: 2000(E)
	Fire resistance tests for loadbearing elements - columns in the force range 0 kN - 800 kN	BS EN 1365-4: 1999 ISO 834-1: 1999(E) and ISO 834-7: 2000(E)
	Fire resistance tests of lift landing doors	BS EN 81-58: 2003 BS EN 81-58: 2018
	Fire resistance tests on components for smoke and heat control systems – Specification for smoke curtains	BS 476: Part 20: 1987 + Amd. 6487 + Corr. 1: 2014 in conjunction with the following specification(s): BS 7346: Part 3: 1990 Cl. 4.1
	– Specification for temperature/time resistance tests for smoke barriers	BS EN 1363-1: 2020 in conjunction with the following specification(s): BS EN 12101-1: 2005 + A1: 2006 Annex D
	– Natural smoke and heat exhaust ventilators	BS EN 12101-2: 2003 Annex C, D & G BS EN 12101-2: 2017 Annex C, D & G
	Fire resistance tests for service installations - Service ducts and shafts	BS EN 1366-5: 2010
	Fire resistance tests for service installations - Raised access and hollow core floors	BS EN 1366-6: 2004
	Fire resistance tests for shutters assemblies	SS 489: 2001 Cl. 4 SS 489: 2015 Cl. 5
	Fire testing of an assembly subject to elevated temperature (250°C/400°C)	In-house method TM1.103
Fire (Other)	Pre-test conditioning for doors, shutters and openable windows	BS EN 14600: 2005 Cl. 5.1 (excluding Cl 5.1.1.2) & Cl. 5.2 BS EN 16034: 2014 + Corr. 2014 Annex A (excluding A.2.3)

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

Unit 02, 28/F, Global Gateway Tower, 63 Wing Hong Street, Cheung Sha Wan, Kowloon

香港九龍長沙灣永康街 63 號 Global Gateway Tower 28 樓 02 室

Construction Materials 建築材料

ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Fire (Other)	Operating temperature test on fusible link	FSD Sampling Test Procedure on Fusible Link for use in Fire Damper of Ventilating System 2005, Cl. 3

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

Route YE60, Shan Pi Village, Lilin Town, Zhong Kai Gao Xin District, Huizhou City, Guang Dong Province, China

中國廣東省惠州市仲愷高新區瀝林鎮山陂村 YE60 路

Construction Materials 建築材料

ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Curtain Walls	Cyclic safety test for curtain wall system Water penetration test by uniform static air pressure difference Water penetration test by cyclic static air pressure difference Structural performance by uniform static air pressure difference Water penetration by dynamic pressure Air leakage rate Static test to seismic and wind interstory drifts	Buildings Department APP-37 (May 2012) App. B Buildings Department Code of Practice for Structural Use of Glass (2018) Table 8.1 ASTM E331-00 (Reapproved 2009) ASTM E331-00 (Reapproved 2016) AS/NZS 4284:2008 Cl. 8.5 ASTM E547-00 (Reapproved 2009) ASTM E547-00 (Reapproved 2016) AS/NZS 4284:2008 Cl. 8.6 ASTM E330-02 (Reapproved 2010) ASTM E330/E330M-14 (Reapproved 2021) AS/NZS 4284:2008 Cl. 8.2, 8.3 & 8.8 AAMA 501.1-05 AAMA 501.1-17 ASTM E283-04 ASTM E283-04 (Reapproved 2012) AS/NZS 4284:2008 Cl. 8.4 AAMA 501.4-09 AAMA 501.4-18 AS/NZS 4284:2008 Cl. 8.9
建築幕牆	建築幕牆氣密性能檢測方法 建築幕牆水密性能檢測方法 建築幕牆抗風壓性能檢測方法 建築幕牆層間變形性能分級及檢測方法	GB/T 15227-2007 GB/T 15227-2019 GB/T 15227-2007 GB/T 15227-2019 GB/T 15227-2007 GB/T 15227-2019 GB/T 18250-2015

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

Route YE60, Shan Pi Village, Lilin Town, Zhong Kai Gao Xin District, Huizhou City, Guang Dong Province, China

中國廣東省惠州市仲愷高新區瀝林鎮山陂村 YE60 路

Construction Materials 建築材料

ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Fire (Fire resistance tests)	Fire resistance tests for loadbearing horizontal elements in the force range 0 kN – 800 kN Fire resistance tests for non-loadbearing vertical and horizontal elements of building construction Fire resistance tests for concrete tunnel fire protection linings to RWS curve Fire resistance tests for door, shutters and openable window Fire resistance tests for door assemblies Fire resistance tests for doorsets and shutters assemblies	AS 1530.4-2005 AS 1530.4-2014 ASTM E119-16a ASTM E119-20 BS 476: Part 20: 1987 + Amd. 6487 + Corr. 1: 2014 and BS 476: Part 21: 1987 + Corr. 1: 2014 BS EN 1365-2: 2000 BS EN 1365-2: 2014 GB/T 9978.1-2008 and GB/T 9978.5-2008 ISO 834-1: 1999 (E) and ISO 834-5: 2000 (E) UL 263: 2011 AS 1530.4-2005 AS 1530.4-2014 ASTM E119-16a ASTM E119-20 BS 476: Part 20: 1987 + Amd. 6487 + Corr. 1: 2014 and BS 476: Part 22: 1987 + Corr. 1: 2014 GB/T 9978.1-2008 and GB/T 9978.8-2008 GB/T 9978.1-2008 and GB/T 9978.9-2008 UL 263: 2011 In-house method TM1.104 BS EN 1634-1: 2014 + A1: 2018 NFPA 252: 2012 ASTM E2074-2000 SS 332: 2007 + Amd. 1: 2009 Cl.4 Annex E UL 10B-2009 UL 10B-2015 UL 10C-2009 UL 10C-2016 BS EN 1634-1: 2014 + A1: 2018 in conjunction with the following specification(s): SS 332: 2018 Cl. 5 and Annex B BS EN 1634: Part 1: 2008 and BS EN 1634: Part 2: 2008 GB/T 7633-2008 ISO 3008-1: 2007 (E)

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

Route YE60, Shan Pi Village, Lilin Town, Zhong Kai Gao Xin District, Huizhou City, Guang Dong Province, China

中國廣東省惠州市仲愷高新區瀝林鎮山陂村 YE60 路

Construction Materials 建築材料

ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Fire (Fire resistance tests) (cont'd)	Fire resistance tests for glazed elements of building construction Fire resistance tests – general requirements alternative and additional procedures (excluding impact test) Fire resistance tests for non-loadbearing vertical elements (excluding impact test) Fire resistance tests for non-loadbearing horizontal elements Fire resistance tests for non-loadbearing elements: curtain walling Fire resistance tests for loadbearing elements - Beams in the force range 0 kN – 800 kN Fire resistance tests of lift landing doors Fire resistance tests on components for Smoke and heat control systems - Specification for smoke curtains - Specification for temperature/time resistance tests for smoke barrier - Natural smoke and heat exhaust ventilators	GB/T 12513-2006 ISO 3009: 2003(E) NFPA 257: 2012 ASTM E119-16a ASTM E119-20 BS EN 1363-1: 1999 BS EN 1363-1: 2012 BS EN 1363-1: 2020 BS EN 1363-2: 1999 excluding Cl. 4 & Cl. 7 ISO 834-1: 1999 + Amd. 1: 2012 (E) UL 263: 2011 BS EN 1364-1: 1999 excluding Cl. 9.5 BS EN 1364-1: 2015 excluding Cl. 9.5 ISO 834-1: 1999(E) and ISO 834-8: 2002 (E) BS EN 1364-2: 1999 BS EN 1364-2: 2018 ISO 834-1: 1999(E) and ISO 834-9: 2003 (E) BS EN 1364-3: 2006 BS EN 1364-3: 2014 BS EN 1364-4: 2007 BS EN 1364-4: 2014 BS EN 1365-3: 2000 ISO 834-1: 1999(E) and ISO 834-6: 2000 (E) BS EN 81-58: 2003 BS EN 81-58: 2018 BS 476: Part 20: 1987 + Amd. 6487 + Corr. 1: 2014 in conjunction with the following specification(s): BS 7346-3: 1990 Cl. 4.1 BS EN 1363-1: 2020 in conjunction with the following specification(s): BS EN 12101-1: 2005 + A1: 2006 Annex D BS EN 12101-2: 2003 Annex C, D & G BS EN 12101-2: 2017 Annex C, D & G

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

Route YE60, Shan Pi Village, Lilin Town, Zhong Kai Gao Xin District, Huizhou City, Guang Dong Province, China

中國廣東省惠州市仲愷高新區瀝林鎮山陂村 YE60 路

Construction Materials 建築材料

ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Fire (Fire resistance tests) (cont'd)	Fire resistance tests for service installations - services ducts and shafts	BS EN 1366-5: 2010
	Fire resistance tests for service installations - raised access and hollow core floors	BS EN 1366-6: 2004
	Fire resistance tests for shutter assemblies	SS 489: 2001 Cl.4 SS 489: 2015 Cl. 5
	Fire testing of an assembly subject to elevated temperature (250°C/400°C)	In-house method TM1.103
Fire (Other)	Determination of the gross heat of combustion	BS EN ISO 1716: 2010
	Non-combustibility test for building products	AS 1530.1: 1994 (reconfirmed 2016) BS 476: Part 4: 1970 + Amd. 2483 & 4390 + Corr. 1: 2014 BS EN ISO 1182: 2010
	Pre-test conditioning for doors, shutters and openable windows	BS EN 14600: 2005 Cl 5.1 (excluding Cl. 5.1.1.2) & Cl. 5.2 BS EN 16034: 2014 + Corr. 2014 Annex A (excluding A.2.3)
Glass	Impact test of glass	ANSI Z97.1:2009 BS 6206: 1981
	Non-destructive photoelastic measurement of surface stresses in annealed, heat-strengthened and fully tempered flat glass	ASTM C1279-09 excluding Cl. 9.2 & 10.2 ASTM C1279-13 excluding Cl. 15.2 & 16.2
	Bending strength of glass	BS EN 1288-3: 2000

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

Route YE60, Shan Pi Village, Lilin Town, Zhong Kai Gao Xin District, Huizhou City, Guang Dong Province, China

中國廣東省惠州市仲愷高新區瀝林鎮山陂村 YE60 路

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Windows	Performance test of louvers	AMCA 500-L-2007 Cl. 8.1 & 8.3.2 AS 4740: 2000 (reconfirmed 2016) App. B AS 4740: 2000 (reconfirmed 2016) App. D BS EN 13030: 2001 Cl. 7.1 & 7.2
	Deflection	AS 4420.2: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.3 & Cl. 2.3.2.3 NZS 4211: 2008 + A1: 2014 Cl. 6
	Operating force	AS 4420.3: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.4 & Cl. 2.3.2.4 NZS 4211: 2008 + A1: 2014 Cl. 7
	Air infiltration	AS 4420.4: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.5 & Cl. 2.3.2.5 NZS 4211: 2008 + A1: 2014 Cl. 8
	Water penetration	AS 4420.5: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.6 & Cl. 2.3.2.6 NZS 4211: 2008 + A1: 2014 Cl. 9
	Ultimate strength	AS 4420.6: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.7 & Cl. 2.3.2.7 NZS 4211: 2008 + A1: 2014 Cl. 10
	建築用通風百葉窗通風性能檢測方法	GB/T 39969-2021 Section 8
建築用通風百葉窗動態防雨性能檢測方法	GB/T 39969-2021 Section 10	

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

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

No. 111 Jiaoxin Road, Lanhe Town, Nansha District, Guangzhou, China

中國廣州市南沙區欖核鎮滘新路 111 號

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Curtain Walls	Cyclic safety test for curtain wall system	Buildings Department APP-37 (May 2012) App. B Buildings Department Code of Practice for Structural Use of Glass (2018) Table 8.1
	Water penetration by uniform static air pressure difference	ASTM E331-00 (Reapproved 2009) ASTM E331-00 (Reapproved 2016) AS/NZS 4284:2008 Cl. 8.5
	Water penetration by cyclic static air pressure difference	ASTM E547-00 (Reapproved 2009) ASTM E547-00 (Reapproved 2016) AS/NZS 4284:2008 Cl. 8.6
	Structural performance by uniform static air pressure difference	ASTM E330-02 (Reapproved 2010) ASTM E330/E330M-14 (Reapproved 2021) AS/NZS 4284:2008 Cl. 8.2, 8.3 & 8.8
	Water penetration by dynamic pressure	AAMA 501.1-05 AAMA 501.1-17
	Air leakage rate	ASTM E283-04 ASTM E283-04 (Reapproved 2012) AS/NZS 4284: 2008 Cl. 8.4
	Static test to seismic and wind interstory drifts	AAMA 501.4-09 AAMA 501.4-18 AS/NZS 4284:2008 Cl. 8.9
建築幕牆	建築幕牆氣密性能檢測方法	GB/T 15227-2007 GB/T 15227-2019
	建築幕牆水密性能檢測方法	GB/T 15227-2007 GB/T 15227-2019
	建築幕牆抗風壓性能檢測方法	GB/T 15227-2007 GB/T 15227-2019
	建築幕牆層間變形性能分級及檢測方法	GB/T 18250-2015
Metallic materials (Falling Rock Protection Kits)	Identification tests on net elements: ring nets and energy dissipating device in the force range 60 kN - 1000 kN	ETAG 027: 2012 + Amd. 2013 Annex C.2 & C.3.1

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

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心
 No. 111 Jiaoxin Road, Lanhe Town, Nansha District, Guangzhou, China
 中國廣州市南沙區欖核鎮滘新路 111 號

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Fire (Smoke control tests)	Smoke control test for smoke control doors and shutters	BS EN 1634-3: 2004
	Test for permeability to smoke for Static Smoke Barrier	BS EN 12101-1: 2005 + A1: 2006 Cl. 4.4.2, Annex C.2, C.3 & C.4
Fire (Other)	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 7: 1997 + Corr. 1: 2014
	Pre-test conditioning test for door, shutter and openable windows	BS EN 14600: 2005 Cl. 5.1 (excluding Cl. 5.1.1.2) & Cl. 5.2
Glass	Impact test of glass	BS EN 12600: 2002

Research Engineering Development Facade Consultants Ltd. -

Fire and Facade Testing Laboratory

雄略幕牆顧問有限公司 – 消防及幕牆檢測實驗中心

No. 111 Jiaoxin Road, Lanhe Town, Nansha District, Guangzhou, China

中國廣州市南沙區欖核鎮滘新路 111 號

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY 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
Windows	Deflection	AS 4420.2: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.3 & Cl. 2.3.2.3 NZS 4211: 2008 + A1: 2014 Cl. 6
	Operating force	AS 4420.3: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.4 & Cl. 2.3.2.4 NZS 4211: 2008 + A1: 2014 Cl. 7
	Air infiltration	AS 4420.4: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.5 & Cl. 2.3.2.5 NZS 4211: 2008 + A1: 2014 Cl. 8
	Water penetration	AS 4420.5: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.6 & Cl. 2.3.2.6 NZS 4211: 2008 + A1: 2014 Cl. 9
	Ultimate strength	AS 4420.6: 1996 AS 4420.1: 2016 in conjunction with the following specification(s): AS 2047: 2014 + Amd. 1: 2016 Cl. 2.3.1.7 & Cl. 2.3.2.7 NZS 4211: 2008 + A1: 2014 Cl. 10