

Liongate Facade Solution PTY LTD

TEST REPORT

SCOPE OF WORK

100 Sliding Door

REPORT NUMBER

240426005SHF-003

TEST DATE(S)

2024-05-23 - 2024-05-24

ORIGINAL ISSUE DATE

2024-06-05

PAGES

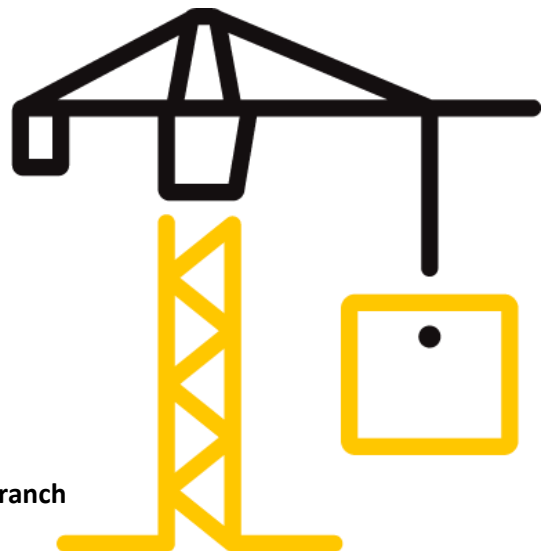
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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10I(February 1, 2024)

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

Original Issue Date: 2024-06-05 Intertek Report No. 240426005SHF-003
Applicant: Liongate Facade Solution PTY LTD
Address: Suite 105, 50 Clarence Street, Sydney, NSW 2000
Attn: Feng Jian
Manufacturer: Tianjin Zhongxin Curtain Wall Decoration Engineering Co., Ltd.
Address: Tianjin Baodi District, NiuDaoKou Town, PangGeZhuang, North Bridge East
Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
100 Sliding Door	PE02	2385mm(Width) x 2870mm(Height)
Sample ID	Sample Amount	Sample Received Date
S240426005SHF.003	1 Set	2024-04-26
Sample Description		
The sample was a completely assembled, glazed, functional product (including hardware) and fully operable, fitted in the test apparatus in accordance with documented instructions.		

Test Methods And Standards

Test Standard	AS/NZS 4420.1-2016 Windows, external glazed, timber and composite doors - Methods of test Part 1: Test sequence, sampling and test methods
Specification Standard	AS 2047-2014 Windows and external glazed doors in buildings (Amdt 2-2017)
Test Conclusion	The results met the applicable requirements specified in AS 2047-2014 (Amdt 2-2017), and the results were shown in the following page.

Note:

1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

Report Authorized


Name: Gio Liu Martin Zhu
Title: Reviewer Project Engineer

Test Report

Original Issue Date: 2024-06-05

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Test Items, Method and Results:

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Table 2 Test Results

Test Description	Test Result			Verdict
Serviceability Design Wind Pressure AS/NZS 4420.1-2016 Section 3	+		1280 Pa	Pass
	-		1660 Pa	
Deflection / Span Ratio Framing Member 1	Stile at handle side		1/525	
Deflection / Span Ratio Framing Member 2	Mullion		1/285	
Operating Force AS/NZS 4420.1-2016 Section 4	Initial Movement	Required	≤ 180 N	Pass
		Open	141 N	
		Close	138 N	
	Maintain Movement	Required	≤ 110 N	
		Open	56 N	
		Close	56 N	
Air Infiltration at ±75 Pa AS/NZS 4420.1-2016 Section 5 Overall area: 6.85 m ²	at +75Pa		0.66 L/s·m ²	Pass
	at -75Pa		0.69 L/s·m ²	
	Air Infiltration Level		Low	
Water Penetration AS/NZS 4420.1-2016 Section 6	No water penetration at		384 Pa	Pass
	Description: After water sprayed for 11 minutes at 500 Pa, the water overflowed from the slider.			
Ultimate Strength Test Pressure AS/NZS 4420.1-2016 Section 7	+	1980 Pa with no collapse		Pass
	-	2560 Pa with no collapse		
	Description: No significant breakage, permanent deformation or operational malfunction after ultimate strength was released.			

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Appendix B: Sample Received Photo



Revision:

NO.	Date	Changes
240426005SHF-003	2024-06-05	First issue