LEADING EDGE CONSTRUCTION MATERIALS TESTING COMPANY LIMITED
Room 22, 13/F., Speedy Industrial Building, 114 How Ming Street, Kwun Tong, Hong Kong
Tel.: (852) 3705 3591 / (86) 758-3632768 Fax.: (852) 3705 2074 Email: info@le-testlab.com

Test Report No.	: QTI-2023-03-03
Date of Issue	: 20 April 2023
Revision	: 00

TEST REPORT

Test Sponsor:	惠州市隆玻节能玻璃有限公司 HuiZhou Longlass Company Limited
Address of Sponsor:	广东省惠州市惠阳区秋长街道白石村秋宝路563号 No.563 Qiubao Road, Baishi Village Qiuchang Street ,Huiyang District huizhou, Guangdong
Factory:	Huizhou Longlass Co., Ltd.
Address of Factory:	No.563 Qiubao Road, Baishi Village Qiuchang Street ,Huiyang District huizhou, Guangdong
Type of Material:	10mm Clear Tempered Glass
Test Method:	BS EN 12600:2002 "Glass in building-Pendulum Test-Impact test method and classification for flat glass"
Date of Test:	Apr 06, 2023
Test Location:	Asia Aluminum Industrial City, The New & High-Tech Industrial Development Zone, Dawang, Zhaoqing, Guangdong Province, China
Date of Calibration of Test Rig:	Nov 3, 2021

1. Purpose of Test

This test is used to classify flat glass products in three principal classes by performance under impact and by mode of breakage, complying with BS EN 12600:2002 "Glass in building-Pendulum test-Impact test method and classification for flat glass."

2. Description of Specimens

Four (4) specimens stated by the client were tested. The specimens had nominal sizes of 1938mm by 876mm by 10 mm thick in accordance with the testing requirements.

3. Summary of Testing Procedures

Remove all masking and protection material from the test pieces and condition for a minimum of 12 h at (20 ± 5)℃ before test. Each specimen was positioned in the test frame and clamped. The tests were followed the procedures specified by BS EN 12600:2002. Each specimen was hit by a test impactor at drop heights of 190 mm, 450 mm and 1200mm.The procedures were repeated for the other three specimens.

4. Results

Test Specimen	#1	#2	#3	#4
Actual width (mm)	876	875	875	876
Actual height (mm)	1937	1938	1938	1937
Actual thickness (mm)	9.94	9.95	9.93	9.94

Glass Impact Result (Refer to photos shown in Appendix A)

Test Sequence		#1	#2	#3	#4
Behavior on impact	Drop height 190 mm	No breakage	No breakage	No breakage	No breakage
	Drop height 450 mm	No breakage	No breakage	No breakage	No breakage
	Drop height 1200 mm	No breakage	No breakage	No breakage	No breakage
Classification		1 (C) 1			

5. Conclusion

An impact performance test for materials in accordance with BS EN12600:2002 has been performed on the given sample from client as described in this report. The performance classification of the all test samples is Classification 1 (C) 1.

Approved Signatory: _____ Date: 20 Apr 2023
Mr. TSANG Hin Hang

LEADING EDGE CONSTRUCTION MATERIALS TESTING COMPANY LIMITED 領鋒建材檢測有限公司

HKAS has accredited this laboratory (Reg. No. HOKLAS 200) under HOKLAS for specific laboratory activities as listed in the HOKLAS directory of accredited laboratories.

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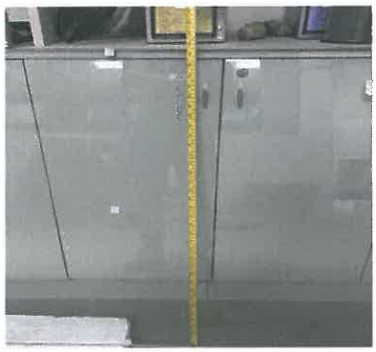
Appendix A

Specimen Size and Thickness Verification Prior to Test	  

Specimen #1 **Glass specimen before and after 1200 mm drop height testing**	 
Specimen #2 **Glass specimen before and after 1200 mm drop height testing**	 

Specimen #3 **Glass specimen before and after 1200 mm drop height testing**	 
Specimen #4 **Glass specimen before and after 1200 mm drop height testing**	 

-End of Report-