

FUGRO TECHNICAL SERVICES LIMITED

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MaterialLab



Client Ref. : --
Report No. : 190307ST190255A

Page 1 of 2

REPORT ON IMPACT TEST FOR SAFETY GLASS

Information Supplied by Client

Client : Glass Label Ltd.
Client Address : Unit E, 6/F, Hing Yip Centre, 31 Hing Yip Street, Kwun Tong, Kowloon, H.K.
Project : Testing of Laminated Tempered Glass
Location : San Tin Lab
Sample Description : 5 + 5 mm Art Laminated Tempered Glass
Length : 1930 mm, Width : 863 mm,
Thickness : ST190255/1-11.21 mm,
ST190255/2-11.30 mm,
ST190255/3-11.32 mm,
ST190255/4-10.95 mm

Laboratory Information

Lab. Sample I.D. : ST190255/1-4
Date Received : 01 April 2019
Date Test Started : 09 April 2019
Date Test Completed : 09 April 2019
Test Method : ANSI Z97.1-2004 Cl. 5.1

Test Results

Test Class	Drop Height (mm)	Lab. Sample I.D.	Mass Of Glass Panel (kg)	Observation	10 Largest Crack-free Particles		Specification of ANSI Z97.1-2004 Cl. 5.1.4
					Mass (g)	Equivalent Area (mm ²)	
A	1219	ST190255/1	43.17	Broken safely-numerous cracks were noted but remained in one piece	--	--	Cl. 5.1.4(1)
		ST190255/2	43.18	No broken was noted	--	--	
		ST190255/3	43.24	Broken safely-numerous cracks were noted but remained in one piece	--	--	
		ST190255/4	42.97	Broken safely-numerous cracks were noted but remained in one piece	--	--	

Remarks: 1.) The test results relate only to the samples tested.
2.) The test results **comply** with the requirement of ANSI Z97.1-2004 CL.5.1
3.) The samples before and after test are shown in the photographs on page 2 of this report.
4.) This report is to supersede our previous test report no. 190307ST190255.

Checked by : [Signature] Date : 26 APR 2019 Approved Signatory : [Signature] Date : 26 APR 2019
Leung Kwok Tai / Stanley
Assistant Manager (Product Testing Laboratory)

ST-R-83 (11/08/2008)

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Sample Before Test
Sample I.D.: ST190255/1



Sample After Test
Sample I.D.: ST190255/1



Sample Before Test
Sample I.D.: ST190255/2



Sample After Test
Sample I.D.: ST190255/2



Sample Before Test
Sample I.D.: ST190255/3



Sample After Test
Sample I.D.: ST190255/3



Sample Before Test
Sample I.D.: ST190255/4



Sample After Test
Sample I.D.: ST190255/4

GLASS LABEL LTD
Your Design Partner

*End of Report**

ST-R-83 (11/08/2008)