

W I N T E C H

BUILDING ENVELOPE TESTING
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Technical Certificate

Certificate No JLH/R14217
Author J Hollins
Date 18th July 2014

Client Name Specialist Toughened Glass Ltd
Address Wendover Road
Rackheath Industrial Estate
Rackheath
Norwich
NR13 6LH

Project No 14217

Date of Test 18/07/2014

Glass Description 4mm Clear Toughened Glass

Product Type Symmetrical

Test Standard BS EN 12600:2002

Test Procedure

The glass pane of dimensions 876mm x 1938mm was clamped into the test rig in accordance with section 5.1.1.3 of the standard. The impact was conducted using an impactor consisting of a steel weight encased around 2 pneumatic tyres to create a total mass of 50kg. The impactor was then released in a pendulum motion and without initial velocity to strike the glass pane only once. Following the impact, the glass pane was inspected in order to identify the mode of breakage. This procedure was then repeated on the relevant number of samples at the 3 different drop heights specified.

Test Results

Sample Ref	Impacted Face	Drop Height Classification	Mode of Breakage	Result	Observation
1	Glass	3	C	Pass	Bounce - No Damage
2	Glass	3	C	Pass	Bounce - No Damage
3	Glass	3	C	Pass	Bounce - No Damage
4	Glass	3	C	Pass	Bounce - No Damage
1	Glass	2	C	Pass	Bounce - No Damage
2	Glass	2	C	Pass	Bounce - No Damage
3	Glass	2	C	Pass	Bounce - No Damage
4	Glass	2	C	Pass	Bounce - No Damage
1	Glass	1	C	Pass	Breakage in accordance with Clause 4
2	Glass	1	C	Pass	Breakage in accordance with Clause 4
3	Glass	1	C	Pass	Breakage in accordance with Clause 4
4	Glass	1	C	Pass	Breakage in accordance with Clause 4

Classification 1C2

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Author J Hollins
Technical Administrator



Approved by M Wass
Technical Director



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