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## SmartGlass International Ltd, Unit 21, Cookstown Industrial estate, Tallaght, Dublin 24

**11.4mm Laminated LC Smart Glass (5mm Toughened/1.4mm thick liquid Crystal foil and EVA adhesive composite/5mm Toughened)**, has Passed the test requirements of BSEN 12600 'Glass in Building – Pendulum Test – Impact Test Method and Classification for Flat Glass, and is therefore classified as 1B1'.

SAMPLE REFERENCE No.	ALLOWABLE BREAKAGE MODE	PERFORMANCE CLASSIFICATION	DIMENSIONS OF TEST PIECES	RESULT
1	B	----	876 x 1938	Pass (did not break)
2	B	----	876 x 1938	Pass (did not break)
3	B	----	876 x 1938	Pass (did not break)
4	B	3	876 x 1938	Pass (did not break)
1	B	----	876 x 1938	Pass (did not break)
2	B	----	876 x 1938	Pass (did not break)
3	B	----	876 x 1938	Pass (did not break)
4	B	2	876 x 1938	Pass (did not break)
1	B	----	876 x 1938	Pass (did not break)
2	B	----	876 x 1938	Pass (did not break)
3	B	----	876 x 1938	Pass (did not break)
4	B	1	876 x 1938	Pass (did not break)

These results are valid only for the conditions under which the tests were conducted.

Product Definition: Symmetrical Product.

All Test Pieces were fully clamped in the test frame during testing.

When tested by the method given in clause 4 in BSEN 12600 each test piece shall either not break or break as defined in the following way:

Numerous cracks appear but no shear or opening is allowed within the test piece through which a 76mm diameter sphere can pass when a maximum force of 25 N is applied. Additionally if particles are detached from the test piece up to 3 minutes after impact, they shall, in total, weigh no more than a mass equivalent to 10,000 mm<sup>2</sup> of the original test piece. The largest single particle shall weigh less than the mass equivalent to 400 mm<sup>2</sup> of the original test piece.

Tested By: D Potts and D Reynolds of Wintech Engineering Ltd.

Report Compiled By: E Watkin Signed:

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Technically Approved By: R Withers Quality/Technical Manager Signed:

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