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WINTECH Test Report/Certificate No: R11202

Date of Testing: 25th November 2010

Solutia Performance Films, 13 Acorn Business Centre, Northarbour Road, Cosham, Portsmouth, PO6 3TH

SHE CL ER PS7, 200 micron LLumar clear safety film (4mm Pilkington Optifloat), 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 2B2 on the filmed face and 2B2 on the plain face'.

SAMPLE REFERENCE No.	IMPACTED FACE OF SAMPLE	ALLOWABLE BREAKAGE MODE	PERFORMANCE CLASSIFICATION	DIMENSIONS OF TEST PIECES	RESULT
1	Filmed	B	----	876 x 1938	Pass (did not break)
2	Filmed	B	----	876 x 1938	Pass (did not break)
4	Filmed	B	----	876 x 1938	Pass (did not break)
6	Filmed	B	----	876 x 1938	Pass (did not break)
7	Plain	B	----	876 x 1938	Pass (did not break)
8	Plain	B	----	876 x 1938	Pass (did not break)
9	Plain	B	----	876 x 1938	Pass (did not break)
10	Plain	B	3	876 x 1938	Pass (did not break)
1	Filmed	B	----	876 x 1938	Pass (did not break)
2	Filmed	B	----	876 x 1938	Pass (did not break)
4	Filmed	B	----	876 x 1938	Pass (broke in accordance with Clause 4)
6	Filmed	B	----	876 x 1938	Pass (did not break)
7	Plain	B	----	876 x 1938	Pass (did not break)
8	Plain	B	----	876 x 1938	Pass (did not break)
9	Plain	B	----	876 x 1938	Pass (did not break)
10	Plain	B	2	876 x 1938	Pass (did not break)

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

Product Definition: Asymmetrical Product.

All Test Pieces and Safety Film were clamped in the test frame, as required by the test standard.

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 mm² of the original test piece. The largest single particle shall weigh less than the mass equivalent to 400 mm² of the original test piece.

Tested By: M Cox and R Caizzo of Wintech Engineering Ltd.

Testing Witnessed By: Peter Spencer of Solutia UK Ltd.

Report Compiled By: E Watkin

Signed:

Technically Approved By: R Withers
Technical and Quality Manager

Signed:

Date of Issue: 3rd February 2011

This report and the results shown are based upon information, samples supplied and tests referred to above. The results obtained do not necessarily relate to samples from the production line of the above named company and in no way constitute any form of representation or warranty as to the performance or quality of any products supplied or to be supplied by them. Wintech Engineering Ltd or its employees accept no liability for any damages, charges, cost or expenses in respect of or in relation to any damage to any property or other loss whatsoever arising either directly or indirectly from the use of this report.

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