



# WINTECH

Test Report/Certificate No: 09/2414/09662

Date of Testing: 16<sup>th</sup> November 2009

2223

## Sycamore Project Management, Unit N, Haydock Cross Ind. Estate, Kilbuck Lane, Haydock, St Helens, WAI 9UX

**Chromatics Reinforced Product (6mm annealed float glass laminated to 80 micron foil with a 60 micron coloured interlayer and a 120 micron polymeric mesh reinforcement, 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 on the plain face'.**

SAMPLE REFERENCE No.	IMPACTED FACE OF SAMPLE	ALLOWABLE BREAKAGE MODE	PERFORMANCE CLASSIFICATION	DIMENSIONS OF TEST PIECES	RESULT
12	Plain	B	----	877 x 1936	Pass (did not break)
11	Plain	B	----	877 x 1936	Pass (did not break)
10	Plain	B	----	877 x 1937	Pass (did not break)
9	Plain	B	3	877 x 1937	Pass (did not break)
12	Plain	B	----	877 x 1936	Pass (did not break)
11	Plain	B	----	877 x 1936	Pass (broke in accordance with Clause 4)
10	Plain	B	----	877 x 1937	Pass (did not break)
9	Plain	B	2	877 x 1937	Pass (broke in accordance with Clause 4)
12	Plain	B	----	877 x 1936	Pass (broke in accordance with Clause 4)
10	Plain	B	----	877 x 1937	Pass (did not break)
8	Plain	B	----	877 x 1937	Pass (did not break)
7	Plain	B	1	877 x 1937	Pass (broke in accordance with Clause 4)

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 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: E Watkin and D Potts of Wintech Engineering Ltd.

Testing Witnessed By: Allen Walker of Sycamore Project Management.

Report Compiled By: E Watkin

Signed:

Technically Approved By: R W Withers  
Technical and Quality Manager

Signed:

Date of Issue: 25<sup>th</sup> November 2009

PLEASE NOTE: This report replaces report number 09/2404/09662 due to a sample description error

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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