



2223

Sycamore Project management, Unit N, Haydock Cross Industrial Estate, Kilbuck Lane, Haydock, St Helens, WA11 9UX

Chromatic 4mm Laminated (4mm float glass panel laminated to 80 micron foil with a coloured interlayer 100 microns thick), has achieved Class 3B3 of BSEN 12600 'Glass in Building – Pendulum Test – Impact Test Method and Classification for Flat Glass' on the front (glass) face only.

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

These results are valid only for the conditions under which the tests were conducted.
Classification: 3 B 3

Product Definition: Asymmetrical Product (tested from glass side only at request of client).

All Test Pieces and Safety Film 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 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 Wass and M Cox of Wintech Engineering Ltd.

Testing Witnessed By:

Report Compiled By: T A Speak

Signed:

Technically Approved By: R W Withers
Technical and Quality Manager

Signed:

Date of Issue: 13th July 2007

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.