

PRODUCT ASSESSMENT SERVICE

Technical Report

Title: **IMPACT TESTING OF E. WOOD LIMITED, GLAZE
TECH PRODUCT TO BRITISH STANDARD 6206 : 1981
"IMPACT PERFORMANCE REQUIREMENTS FOR
FLAT SAFETY GLASS & SAFETY PLASTICS FOR USE
IN BUILDINGS"**

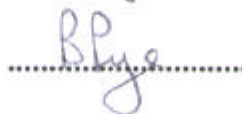
Report No: **P 231**

Prepared by: **D.P. GREEN**



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Authorised by: **D.B. PYE**



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Date: **JULY 1997**



PILKINGTON

1. INTRODUCTION

- 1.1 At the request of Mr B. Stelling of E. Wood Limited, the Product Assessment Service, Pilkington Technology Centre, Lathom, has carried out impact testing on 12 samples of their Glaze Tech MOFT 200 micron product (see sample details).
- 1.2 The samples were conditioned in the Product Assessment Service Laboratory at an ambient temperature of $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for a period of 7 days prior to testing.
- 1.3 All samples had two coats of Glaze Tech product on each side.
- 1.4 The testing was witnessed by Mr D. Pye and Mr B. Stelling of E. Wood Limited.
- 1.5 A photographic record of typical fracture pattern at each drop height is included.
- 1.6 The testing was carried out on the 9th July 1997
- 1.7 The details contained in this report only relate to the actual samples tested.

2. SAMPLE DETAILS

2.1 Glass Details

Pilkington Clear Float
Thickness 4mm
Size $1930 \times 865\text{mm} \pm 3\text{mm}$

2.2 Coating Details

Glaze Tech (MOFT)
Thickness 200 microns

2.3 Application Details

Each test specimen was coated twice on both sides, to achieve an overall thickness of 200 microns per side

3. RESULTS

3.1. Table of Impact Performance

Sample No	E. Wood Ref : (panel)	Drop Height (mm)	Impact Class	Result	Comments
1	9	305	C	PASS	No Break
2	7	305	C	PASS	No Break
3	5	305	C	PASS	Break Safe
4	1	305	C	PASS	Break Safe
5	9	457	B	PASS	Break Safe
6	7	457	B	PASS	Break Safe
7	11	457	B	PASS	No Break
8	10	457	B	PASS	Break Safe
9	11	1219	A	PASS	Break Safe
10	12	1219	A	PASS	Break Safe
11	6	1219	A	PASS	Break Safe
12	4	1219	A	PASS	Break Safe

NOTE: When an opening was formed in the test specimen after impact, the weakest point of resistance was selected. A horizontal force was then applied using a force gauge attached to a sphere.

If a force of 25N is achieved without penetration by the sphere, then the test specimens are deemed to have passed the test.

4. CONCLUSION

The results show that this combination of Pilkington 4mm Clear Float with Glaze Tech MOFT 200 microns coating to both sides, achieved the pass requirements of BS6206 Class A

GLAZE TECH

(MOFT 200 microns)

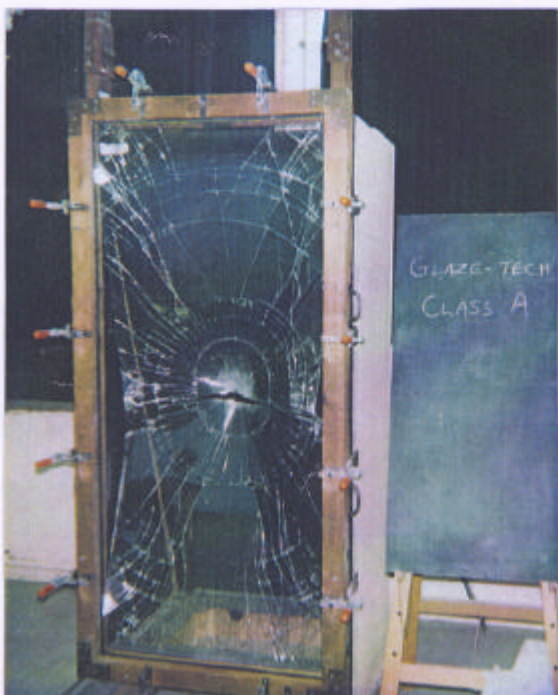
BS 6206 Class C PASS



BS 6206 Class B PASS



BS 6206 Class A PASS



Confirmed BS 6206 Class A PASS

