Test Report

Report No	262/005362
Client	3M United Kingdom Plc 3M House PO Box 1 Market Place Bracknell Berkshire RG12 1JU
Authority & date	Purchase Order from the Client dated 26 August 1998
Items tested	4mm Annealed film backed glass
Specifications	BS 6206:1981 - Flat glass for use in buildings
Results	Pass
Prepared by	S Ginger
Authorized by	P Parkins
Issue Date	9 OCTOBER 1998

Conditions of issue

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NAMAS
TESTING
No. 0135

TEST AND EXAMINATION OF FLAT GLASS FOR USE IN BUILDINGS SUBMITTED AS A DIRECT COMMISSION

INTRODUCTION

At the request of 3M United Kingdom Plc the flat glass samples, detailed below, were tested and assessed to the requirements of BS 6206:1981, as indicated on the following pages of this Report. This request was made in a purchase order from the Client dated 26 August 1998. It is emphasized that assessments were not made against other clauses of the specification.

TEST ITEMS

A) 4mm Asymmetric Annealed film backed glass 1930 x 865mm
Film - 100 micron metal coated multi laminated 3M Scotchshield S50 NEARL 400

B) 4mm Asymmetric Annealed film backed glass 1930 x 865mm
Film - 100 micron metal coated multi laminated 3M Scotchshield S20 SIAR 400

SUMMARY OF RESULTS

The test samples were tested to the method described in BS 6206:1981.

The results of which are as follows:

TEST ITEMS	DROP HEIGHT	ASSESSMENT
A), B)	457mm	Pass
A), B)	1219mm	Pass

TEST AND EXAMINATION

ITEM A

CLAUSE

5 IMPACT

5.3 Impact test

Type - Asymmetric film backed annealed glass 1930 x 865mm
Thickness - 4.00mm Nominal
Weight of 6500mm^2 - Measured thickness 0.13mm

Sample No	Impact No	Side Impacted	Results of Impact	Assessment
		Drop height 457mm		
1	1	Glass	Broken safely	Pass
2	2	Glass	Broken safely	Pass
3	3	Glass	Broken safely	Pass
4	4	Glass	Broken safely	Pass
5	5	Film	No breakage	Pass
6	7	Film	Broken safely	Pass
7	8	Film	No breakage	Pass
8	10	Film	Broken safely	Pass
		Drop height 1219mm		
9	11	Glass	Broken safely	Pass
10	12	Glass	Broken safely	Pass
11	13	Glass	Broken safely	Pass
12	14	Glass	Broken safely	Pass
5	6	Film	Broken safely	Pass
7	9	Film	Broken safely	Pass
13	15	Film	Broken safely	Pass
14	16	Film	Broken safely	Pass

TEST AND EXAMINATION

ITEM B

CLAUSE

5 IMPACT

5.3 Impact test

Type - Asymmetric film backed annealed glass 1930 x 865mm
Thickness - 4.00mm Nominal
Weight of 6500mm^2 - Measured thickness 0.12mm

Sample No	Impact No	Side Impacted	Results of Impact	Assessment
		Drop height 457mm		
1	1	Glass	Broken safely	Pass
2	2	Glass	No breakage	Pass
3	4	Glass	Broken safely	Pass
4	5	Glass	Broken safely	Pass
5	6	Film	Broken safely	Pass
6	7	Film	No breakage	Pass
7	9	Film	Broken safely	Pass
8	10	Film	Broken safely	Pass
		Drop height 1219mm		
2	3	Glass	Broken safely	Pass
3	11	Glass	Broken safely	Pass
4	12	Glass	Broken safely	Pass
5	13	Glass	Broken safely	Pass
6	8	Film	Broken safely	Pass
9	14	Film	Broken safely	Pass
10	15	Film	Broken safely	Pass
11	16	Film	Broken safely	Pass