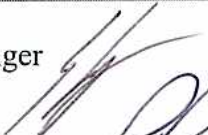



# Test Report



Report No	262/005598
Client	3M (UK) 3M House PO Box 1 Bracknell Berkshire RG12 1JU
Authority & date	Purchase Order from the Client reference L91806 dated 12 January 1999
Items tested	4mm Clear Annealed film backed glass 6mm Clear Annealed film backed glass 4mm Clear 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	16 FEBRUARY 1999
Conditions of issue	This Test Report is issued subject to the conditions stated in current issue of <i>Test Leaflet 1</i> 'General conditions relating to acceptance of testing'. The results contained herein apply only to the particular sample/s tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of the General Manager, BSI Product Services, who reserves the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.



TESTING  
No. 0135

**TEST, EXAMINATION AND ASSESSMENT OF FLAT GLASS FOR USE IN BUILDINGS****INTRODUCTION**

At the request of 3M (UK) 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 reference L91806 dated 12 January 1999. It is emphasized that assessments were not made against other clauses of the Specification.

**TEST ITEMS**

- A) 8 off 4mm Asymmetric clear Annealed film backed glass 1930 x 865mm.  
Film - 3M Scotchshield™ S35 NEAR 400 - 100 microns metalised micro laminated polyester safety film
- B) 8 off 6mm Asymmetric clear Annealed film backed glass 1930 x 865mm.  
Film - 3M Scotchshield™ SH7CLARL - 175 microns thick clear polyester safety film
- C) 8 off 4mm Asymmetric clear Annealed film backed glass 1930 x 865mm.  
Film - 3M Scotchshield™ SH7CLARL - 175 microns thick clear polyester safety film glass

Date of test: 12 January 1999

**SUMMARY OF RESULTS**

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

The results of which are as follows:

<b>TEST ITEMS</b>	<b>DROP HEIGHT</b>	<b>ASSESSMENT</b>
A)	457mm	Pass
B) & C)	1219mm	Pass

## TEST AND EXAMINATION

## ITEM A

## CLAUSE

## ASSESSMENT

## 5 IMPACT

## 5.3 Impact test

Type - Asymmetric clear Annealed film backed glass 1930 x 865mm  
 Film - 3M Scotchshield™ S35NEAR400 – 100 micron  
 Metalised mirco laminated polyester safety film

Thickness - 4.00mm Nominal  
 Film thickness - 0.11mm

<u>Sample No</u>	<u>Impact No</u>	<u>Side Impacted</u>	<u>Results of Impact</u>	<u>Assessment</u>
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Drop height 457mm

1	1	Film	Broken safely	Pass
2	2	Film	Broken safely	Pass
3	3	Film	Broken safely	Pass
4	4	Film	Broken safely	Pass
5	5	Glass	Broken safely	Pass
6	6	Glass	Broken safely	Pass
7	7	Glass	Broken safely	Pass
8	8	Glass	Broken safely	Pass

**TEST AND EXAMINATION****ITEM B****CLAUSE****ASSESSMENT****5 IMPACT****5.3 Impact test**

Type - Asymmetric clear Annealed film backed glass 1930x 865mm.  
 Film - 3M Scotchshield™ SH7CLARL – 175 micron Metalised  
 mirco clear polyester safety film

Thickness - 6.00mm Nominal  
 Film thickness - 0.20mm

<u>Sample No</u>	<u>Impact No</u>	<u>Side Impacted</u>	<u>Results of Impact</u>	<u>Assessment</u>
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**Drop height 1219mm**

1	1	Film	Broken safely	Pass
2	2	Film	Broken safely	Pass
3	3	Film	Broken safely	Pass
4	4	Film	Broken safely	Pass
5	5	Glass	Broken safely	Pass
6	6	Glass	Broken safely	Pass
7	7	Glass	Broken safely	Pass
8	8	Glass	Broken safely	Pass

## TEST AND EXAMINATION

## ITEM C

## CLAUSE

## ASSESSMENT

## 5 IMPACT

## 5.3 Impact test

Type - Asymmetric clear Annealed film backed glass 1930 x 865mm  
 Film - 3M Scotchshield™ SH7CLARL – 175 microns thick  
 clear polyester safety film

Thickness - 4.00mm Nominal

Film thickness - 0.20mm

<u>Sample No</u>	<u>Impact No</u>	<u>Side Impacted</u>	<u>Results of Impact</u>	<u>Assessment</u>
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Drop height 1219mm

1	1	Film	Broken safely	Pass
2	2	Film	Broken safely	Pass
3	3	Film	Broken safely	Pass
4	4	Film	Broken safely	Pass
5	5	Glass	Broken safely	Pass
6	6	Glass	Broken safely	Pass
7	7	Glass	Broken safely	Pass
8	8	Glass	Broken safely	Pass