
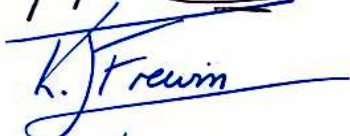


Test Report



TESTING

Report No	BG001712
Client	3M UK Plc 3M House PO Box 1 Market Place Bracknell Berkshire RG12 1JU
Authority & date	Purchase Order from Client No L71179
Items tested	Flat glass for use in buildings
Specifications	BS 6206:1981
Results	See Summary of Results on page 2
Prepared by	 P Parkins
Authorized by	 K J Frewin
Issue date	10 th JANUARY 1995.
Conditions of issue	This Test Report is issued subject to the conditions stated in the 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 Director, BSI Testing, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought.

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

INTRODUCTION

At the request of 3M UK Plc the flat glass samples detailed below, were tested and assessed against requirements of BS 6206:1981 as indicated on the following pages of this Report. This request was made on Purchase Order No L71179. It is emphasised that assessments have not been made against the other clauses of the Specification.

This Report only relates to the actual samples which have been tested and assessed.

The result of the tests recorded in this Report refer only to the samples submitted (plastics film bonded to glass sheets) which were produced under factory controlled conditions. It should not be assumed that a similar performance will be achieved when the sample plastics film is bonded to glass which is already installed in a building.

TEST ITEMS

- A) 8 off 6 mm Asymmetric film backed glass 1930 x 865 mm with a SH4CLL film
- B) 8 off 6 mm Asymmetric film backed glass 1930 x 865 mm with a SH4 SIL film
- C) 8 off 6 mm Asymmetric film backed glass 1930 x 865 mm with a SCLARL 600 film

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)	457 mm	Pass
C)	1219 mm	Pass

TESTING AND EXAMINATIONItem AClause No5. Impact5.3 Impact test

Type
Thickness
Film

- Asymmetric film backed glass 1930 x 865 mm
- 6.0 mm Nominal
- SH4CLL measured thickness 0.12 mm

<u>Sample No</u>	<u>Impact No</u>	<u>Side impacted</u>	<u>Result of impact</u>	<u>Assessment</u>
<u>Drop height 457 mm</u>				
1	1	Glass	No breakage	Pass
2	2	Glass	Broken safely	Pass
3	3	Glass	Broken safely	Pass
4	4	Glass	Broken safely	Pass
5	5	Film	Broken safely	Pass
6	6	Film	Broken safely	Pass
7	7	Film	Broken safely	Pass
8	8	Film	Broken safely	Pass

TESTING AND EXAMINATION**Item B****Clause No**5. **Impact**5.3 **Impact test**

Type	- Asymmetric film backed glass 1930 x 865 mm
Thickness	- 6.0 mm Nominal
Film	- SH4SIL measured thickness 0.12 mm

<u>Sample No</u>	<u>Impact No</u>	<u>Side impacted</u>	<u>Result of impact</u>	<u>Assessment</u>
		<u>Drop height 457 mm</u>		
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	Broken safely	Pass
6	6	Film	Broken safely	Pass
7	7	Film	Broken safely	Pass
8	8	Film	Broken safely	Pass

TESTING AND EXAMINATIONItem CClause No5. Impact5.3 Impact testType
Thickness
Film

- Asymmetric film backed glass 1930 x 865 mm
 - 6.0 mm Nominal
 - SCLARL 600 measured thickness 0.22 mm

Ultra 600

<u>Sample No</u>	<u>Impact No</u>	<u>Side impacted</u>	<u>Result of impact</u>	<u>Assessment</u>
<u>Drop height 1219 mm</u>				
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	Broken safely	Pass
6	6	Film	Broken safely	Pass
7	7	Film	Broken safely	Pass
8	8	Film	Broken safely	Pass