

# MAXAM175<sup>®</sup>

## GLASS REPAIR FILM

## PRODUCT DATA SHEET

**Base film:** 175 micron high performance CPET grade

**Adhesive:** min 45 gsm solvent based acrylic with specially modified improvers

**Film tensile strength:** 19 daN/mm<sup>2</sup> (25,000lbs p.s.i)

**Elongation at Break** 142% in MD tested against ASTM D 882

**Peel adhesion average results:** 25N/25mm for 180° test.

24hour test on glass at a speed of 300mm/minute

**Dynamic shear average results:** Min 160N/25mm<sup>2</sup>

MAXAM175 GLASS REPAIR FILM complies to Unife Ref1, and passes the highest impact resistance requirements of BS 12600 1B1 as set out below:



2223

### WINTech

Test Report/Certificate No: EW/10/3789/10118/WEL

Date of Testing: 7<sup>th</sup> July 2010

**MAXAM, 14 Cultins Road, Edinburgh, EH1 4DZ**

**MAXAM 175 micron glass repair film (4mm Float Glass), has Passed the test requirements of BSEN 12600 'Glass in Building – Pendulum Test – Impact Test Method and Classification for Flat Glass, and is therefore classified as 1B1 on the filmed face and 1B1 on the glass face'.**

SAMPLE REFERENCE No.	IMPACTED FACE OF SAMPLE	ALLOWABLE BREAKAGE MODE	PERFORMANCE CLASSIFICATION	DIMENSIONS OF TEST PIECES	RESULT
1	Filmed	B	---	876 x 1939	Pass (broke in accordance with Clause 4)
2	Filmed	B	---	876 x 1938	Pass (broke in accordance with Clause 4)
3	Filmed	B	---	876 x 1938	Pass (broke in accordance with Clause 4)
4	Filmed	B	---	876 x 1937	Pass (broke in accordance with Clause 4)
22	Glass	B	---	876 x 1939	Pass (did not break)
11	Glass	B	---	876 x 1938	Pass (did not break)
12	Glass	B	---	878 x 1939	Pass (did not break)
13	Glass	B	3	878 x 1939	Pass (did not break)
5	Filmed	B	---	876 x 1938	Pass (broke in accordance with Clause 4)
6	Filmed	B	---	878 x 1938	Pass (broke in accordance with Clause 4)
7	Filmed	B	---	878 x 1939	Pass (broke in accordance with Clause 4)
8	Filmed	B	---	878 x 1939	Pass (broke in accordance with Clause 4)
22	Glass	B	---	876 x 1939	Pass (did not break)
11	Glass	B	---	876 x 1938	Pass (did not break)
12	Glass	B	---	878 x 1939	Pass (did not break)
13	Glass	B	2	878 x 1939	Pass (broke in accordance with Clause 4)
9	Filmed	B	---	878 x 1939	Pass (broke in accordance with Clause 4)
15	Filmed	B	---	877 x 1939	Pass (broke in accordance with Clause 4)
10	Filmed	B	---	878 x 1939	Pass (broke in accordance with Clause 4)
16	Filmed	B	---	878 x 1939	Pass (broke in accordance with Clause 4)
22	Glass	B	---	876 x 1939	Pass (broke in accordance with Clause 4)
11	Glass	B	---	876 x 1938	Pass (broke in accordance with Clause 4)
12	Glass	B	---	878 x 1939	Pass (broke in accordance with Clause 4)
23	Glass	B	1	878 x 1939	Pass (broke in accordance with Clause 4)

These results are valid only for the conditions under which the tests were conducted.

Product Definition: Asymmetrical Product.

All Test Pieces and Safety Film were clamped in the test frame, as required by the test standard.

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 mm<sup>2</sup> of the original test piece. The largest single particle shall weigh less than the mass equivalent to 400 mm<sup>2</sup> of the original test piece.

Tested By: M Wass of Wintech Engineering Ltd & Mickey Sulston of GGF.

Report Compiled By: E Watkin Signed: *ema*

Technically Approved By: M Wass Deputy Technical and Quality Manager Signed: *mw*

Date of Issue: 8<sup>th</sup> July 2010

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.

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