

Technical Report



2223

Report No R199/02/276/Rev.1

**Hanita Coatings
Kibbutz
Hanita
22885
Israel**

Products Tested:

**4Mil & 7Mil Safety Film Polyester :
R12306T & R19801T**

27th March 2002

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WINTECH

WINDOW AND CLADDING
TESTING & LABORATORY SERVICES

Test carried out by: Wintech Engineering Limited
Halesfield 2
Telford
Shropshire
TF7 4QH

Tests conducted at: Above address

Tests conducted on behalf of: Hanita Coatings

Standard specified: Draft standard prEN 12600:2000

Present: Angela Read Hanita Coatings
Uri Sharfberg Hanita Coatings

Project No: 02/276

Date of testing: 21st March 2002

Film tested: 4Mil & 7Mil Safety Film Polyester:
4Mil – R12306T
7Mil – R19801T

Test performed: As listed in section 5 – Test Procedures

Test carried out by: Mr L. McGowan Wintech Engineering Ltd.

Test carried out by and witnessed by: Mr R W Withers Wintech Engineering Ltd.

Report compiled by:  G O Nepp

Technical approval (authorising signatory)  R W Withers

1. Introduction

This report describes tests conducted at the Test Facility of Wintech Engineering Ltd. on 43 samples of Annealed glass with a 4Mil & 7Mil safety polyester film, at the request of Hanita Coatings.

The testing was conducted on the 21st March 2002, in order to determine the effect of impacts. The test methods were generally in accordance with the following standard.

Test methods for classification of flat glass products used in buildings, by performance under impact and by mode of breakage – prEN 12600:2000 (Draft Standard)

The glass samples were supplied by Pilkington and the safety film was supplied and applied by Hanita Coatings.

2. Description of test samples

Glass manufactured by: Pilkington

Safety films manufactured by: Hanita Coatings
Kibbutz
Hanita
22885
Israel

Number of samples tested: 43

Films Tested:

R12306T	4Mil safety film, polyester, wet laminated	on 4 mm Anealed glass
R19801T	7Mil safety film, polyester, wet laminated	on 4 mm Anealed glass

Sample size: 876mm wide x 1,938mm high

Sample thickness: 4 mm

Glass type: Float
The glass and film was asymmetric i.e. a single pane of glass which has different surface characteristics on opposite faces.

Test pieces: Each test piece comprised of a single pane of glass product and was representative of the normal production of the type of product submitted for test.

The test pieces were intended to achieve Classification at levels 3, 2 and 1 in accordance with prEN 12600.

3. Test summary sheet

The following summarises the results of tests carried out on 21st March 2002.

Films tested

R19801T	on 4 mm float glass	Classification - 1 B 1	Pass
R12306T	on 4 mm float glass	Classification - 2 B 2	Pass

THESE RESULTS ARE VALID ONLY FOR THE CONDITIONS UNDER WHICH THE TESTS WERE CONDUCTED