

# Test Report

Report No

2371/8777667 Issue 2

This Report consists of 4 pages

Licence/Certificate No

Not applicable

Client

CP Films Vertriebs GmbH Katzbergstraße 1a Langenfeld (Rheinland) 40764

40764 Germany

Authority & date

BSI Quotation reference: BSI 0000842087 Equipment Record Number 10172941

Items tested

Specimens of 4.2mm clear Monolithic Glass with LLumar SCL SR PS13 film applied

Specification

BS EN 356:2000 Glass in building – Security glazing – testing and classification of resistance against manual attack

Issue 2 of this report supersedes all previous issues. The amendments on all pages giving rise to this issue can be ascertained by contacting the authorising signatory.

Results

Pass: Classified in accordance with EN 356-P2A

Prepared by

L McGill

Senior Test Engineer

Authorized by

M Manito

Team Manager

Issue Date

17 November 2017

Conditions of issue

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#### **TEST AND EXAMINATION OF GLASS IN BUILDING**

#### INTRODUCTION

At the request of CP Films Vertriebs GmbH the glass samples detailed below, were tested and assessed against requirements of BS EN 356:2000 Clause 6.1 Hard body drop test, as indicated on the following pages of this Report. This request was made on BSI Quotation number BSI 0000842087. It is emphasized that assessments were not made against other clauses of the Specification.

Six samples were tested with a film that was applied to the inward surface of the glass, so that the hard body impacted the non-filmed side of the glass.

Date samples received: 07 July 2017

Date started: 05 September 2017

Date Completed: 06 September 2017

#### **TEST ITEMS**

1) 10 off 1100 x 900mm clear glass samples with a nominal thickness of 4.2mm

Model :- LLumar SCL SR PS13 Clear Safety Film

Manufacturer's stated nominal film thickness:- 325 Micron

#### **SUMMARY OF RESULTS**

The test samples were tested to the method described in BS EN 356:2000 Clause 6.1 Hard body drop test

The results of which are as follows:-

TEST ITEMS	Category	Drop height (mm)	ASSESSMENT
1)	P2A	3 000	Pass

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# Hard body drop test Category (P2A) 3000mm Drop height

# Sample 1 (Impacted on 'no tin' glass surface)

Impact point	Observation	Slippage (mm)	Assessment
1	Ball did not pass through glass	Nil	Pass
2	Ball did not pass through glass	Nil	Pass
3	Ball did not pass through glass	Nil	Pass

# Sample 2 (Impacted on 'no tin' glass surface)

Impact point	Observation	Slippage (mm)	Assessment
1	Ball did not pass through glass	Nil	Pass
2	Ball did not pass through glass	Nil	Pass
3	Ball did not pass through glass	Nil	Pass

## Sample 3 (Impacted on 'no tin' glass surface)

Impact point	Observation	Slippage (mm)	Assessment
1	Ball did not pass through glass	Nil	Pass
2	Ball did not pass through glass	Nil	Pass
3	Ball did not pass through glass	Nil	Pass

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# Hard body drop test Category (P2A) 3000mm Drop height

# Sample 1 (Impacted on 'tin' glass surface)

Impact point	Observation	Slippage (mm)	Assessment
1	Ball did not pass through glass	Nil	Pass
2	Ball did not pass through glass	Nil	Pass
3	Ball did not pass through glass	Nil	Pass

# Sample 2 (Impacted on 'tin' glass surface)

Impact point	Observation	Slippage (mm)	Assessment
1	Ball did not pass through glass	Nil	Pass
2	Ball did not pass through glass	Nil	Pass
3	Ball did not pass through glass	Nil	Pass

## Sample 3 (Impacted on 'tin' glass surface)

Impact point	Observation	Slippage (mm)	Assessment
1	Ball did not pass through glass	Nil	Pass
2	Ball did not pass through glass	Nil	Pass
3	Ball did not pass through glass	Nil	Pass

## **End of Report**