

IMPACT SECURITY LLC

PERFORMANCE TEST REPORT

SCOPE OF WORK

ASTM F1233 TESTING ON DEFENSELITE PRO

REPORT NUMBER

N2788.01.01-119-12 R0

TEST DATE

03/03/22

ISSUE DATE

03/09/22

RECORD RETENTION END DATE

03/03/26

PAGES

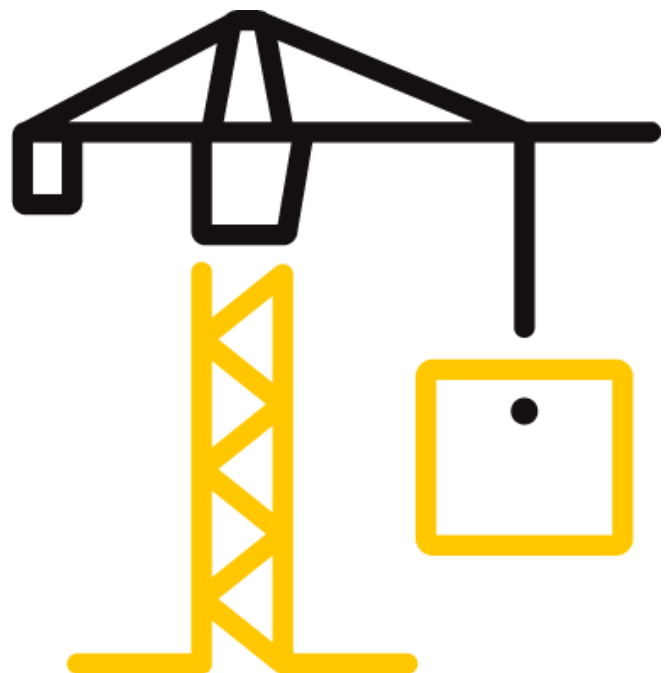
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DOCUMENT CONTROL NUMBER

ATI 00468 (07/24/17)

RT-R-AMER-Test-2787

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TEST REPORT FOR IMPACT SECURITY LLC

Report No.: N2788.01.01-119-12 R0

Date: 03/09/22

REPORT ISSUED TO IMPACT SECURITY LLC

600 Kirk Road #100
Marietta, GA 30060

SECTION 1 SCOPE

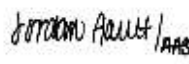
Intertek Building & Construction (B&C) was contracted by Impact Security LLC, 600 Kirk Road #100 Marietta, GA 30060 to perform forced entry resistance testing in accordance with ASTM F1233 on DefenseLite PRO. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania.


This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2 SUMMARY OF TEST RESULTS

SPECIMEN	FORCED ENTRY CLASS ACHIEVED
DefenseLite PRO	Class 1.4 (Contraband) Class 2.2 (Body Passage)

For INTERTEK B&C:

COMPLETED BY: Jordan M. Gault
TITLE: Technician II
SIGNATURE: 
Digitally Signed for: Jordan Gault by Amanda Estroff
DATE: 03/09/22

REVIEWED BY: Travis A. Hoover
TITLE: Manager
SIGNATURE: 
Digitally Signed by Travis Hoover
DATE: 03/09/22

JMG:tah/aas

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TEST METHOD

Each test specimen was evaluated in accordance with the following:

F1233-08 (2013), *Standard Test Method for Security Glazing Materials and Systems*, ASTM International, November 2008

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MATERIAL SOURCE/INSTALLATION

Test samples were provided by the client. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of four years from the test completion date.

SECTION 5

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Jordan Gault	Intertek B&C
Cory Straub	Intertek B&C
Travis Hoover	Intertek B&C
Sean McElhaney	Intertek B&C

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TEST PROCEDURE

The sample was rigidly mounted for forced entry resistance testing. The resources (tools) for forced entry testing were provided to test personnel, in addition to an 1/8 in diameter rod representing contraband and an 8 in by 8 in by 5 in solid object representing body passage. Blunt impact, sharp impact, and thermal stress tools were utilized to attack and ultimately defeat the specimen. The surface temperature of the test specimen was recorded following each attack sequence. Concentrated assault team members are listed in the following table.

Forced Entry Resistance Test Personnel

NAME	AGE (yrs)	WEIGHT (lbs)
Jordan Gault	24	245
Cory Straub	34	225

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TEST SPECIMEN DESCRIPTION

PRODUCT TYPE	DefenseLite Pro
OVERALL SIZE	29.75 in wide by 29.75 in high
OVERALL MEASURED THICKNESS	0.358 in
NOMINAL THICKNESS	0.375 in

SECTION 8

TEST RESULTS

Test Date: 03/04/2022

Ambient Temperature: 65°F

Relative Humidity: 22%

Forced Entry Resistance Test Results

SEQUENCE	CLASS ACHIEVED	DESCRIPTION OF ATTACK	TEMP. (°F)	ACTUAL TIME (min:sec)	NOTE
1	1.0	Ball Peen Hammer	65	00:16	
2	1.1	Ball Peen Hammer	66	00:14	
3	1.2	1-1/2" Pipe/Sledge	67	00:36	
4	1.3	Extinguisher	-4/-20	00:30/00:30	
5	1.4	Sledge Hammer	46	01:02/01:15	
6	1.5	Propane Torch	400	05:00	#1
7	2.0	Ripping Bar	320	00:13	
8	2.1	Ram	280	00:13	
9	2.2	4" Pipe/Sledge	242	01:02	
10	2.3	Sledge Hammer	190	00:04	#2

Note #1: After 2 minutes and 46 seconds into Sequence 1.5, the 1/8" diameter rod was able to pass freely through the specimen.

Note #2: After two impacts during Sequence 2.3, the 8" x 8" x 5" solid cube was able to pass freely through the specimen. No further testing was performed.

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CONCLUSION

The test specimen achieved a Forced Entry Class of 1.4 (Contraband) and 2.2 (Body Passage).

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PHOTOGRAPHS



Photo No. 1
Test Setup



Photo No. 2
Sequence 1.3 - Fire Extinguisher

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Photo No. 3

Sequence 1.5 - Contraband Passage (Interior View)



Photo No. 4

Sequence 2.3 - Body Passage (Interior View)



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REVISION LOG

REVISION #	DATE	PAGES	REVISION
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