



Ballistic Resistance – Test Report

Client:	ASAP Walls Attention: Richard Grieves 28370 St. Michaels Rd. Easton, MD 21601
Date of report:	21 September 2015
Report prepared by:	Ashley Gowland, Customer Operations Coordinator
Report reviewed by:	Wesley Mason, Manager of Technical Operations - Hard Armor
Test method and supporting documentation:	Per Customer Instructions ANSI/UL-752, Level 8
Job number:	000004857
Date of sample receipt, shipping method, identification information, and inspection results:	The sample(s) were received on 18 September 2015 via your representative. Sample item(s) were identified as proprietary armor. The test sample(s) were inspected prior to testing and no anomalies were discovered.
Date of testing and location:	Testing commenced on 18 September 2015 , at the H.P. White Laboratory, Inc. facilities located at 3114 Scarboro Road, Street, Maryland.
Date of test completion and sample disposition:	Testing concluded on 18 September 2015 ; sample(s) will be returned per customer instructions.
Test data transmittal method and storage location:	This test report and test data were transmitted via email in a manner compliant with ISO 17025 requirements. Permanent electronic and hardcopy files are maintained in accordance with HPWLI data storage policy on data storage systems, filed by job number.
Revision number and date:	NA
Disclaimer:	Testing was performed on sample(s) provided by the client. H.P. White Laboratory, Inc. holds no responsibility for sample selection methods. This report is based on data obtained from testing only the sample(s) submitted, and should NOT be interpreted as an endorsement by H.P. White Laboratory, Inc. of the continuing quality or performance of any other items of the same, or similar, design. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This testing was performed by H.P. White Laboratory, Inc. to client specification, and the test results are the property of the client, who holds all rights of reproduction or publication of this report and related test data.
International control statement:	Information contained herein may be subject to the Export Administration Regulations, the Arms Export Control Act and/or the International Traffic in Arms Regulations. These commodities may not be resold, diverted, transferred, made available to, or otherwise disposed of, to any other country or to any person other than the authorized end-user or consignee(s), either in their original form or after being incorporated into other end-items, without first obtaining approval from the U.S. Government.



TEST PANEL

Manufacturer : ASAP WALLS

Size : 12 x 12 in.

Thicknesses : 3.249, 3.305, 3.288, 3.281 in.

Avg. Thick. : 3.281 in.

Sample No. : SAMPLE-1

Weight : 18.95 lbs.

Hardness : NA

Plies/Laminates : NA

Date Rec'd. : 9/18/15

Via : Hand Carried

Returned : Hand Carried

SET-UP

Shot Spacing : 4 ON 4.5" SQUARE, 1 IN CENTER

Witness Panel : 1/8" CORRUGATED CARDBOARD

Obliquity : 0 deg.

Backing Material : NA

Conditioning : Ambient (+72 F)

Primary Vel. Screens : 5.0 ft., 10.0 ft.

Primary Vel. Location : 7.5 ft. From Muzzle

Residual Vel. Screens : NA

Residual Vel. Location : NA

Range to Target : 15.0 ft.

Target to Wit. : 18.0 in.

Range No. : 3

Temp. : 72 F

BP : 30.30 in. Hg

RH : 50%

Barrel No./Gun : R3/308

Gunner : CHES

Recorder : BONSALL

AMMUNITION

(1) : 7.62x51mm, M80, Ball, 150 gr.

(2) :

(3) :

(4) :

Lot No. : UNKNOWN

Lot No. :

Lot No. :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : Bullet Resistant Equipment, ANSI/UL 752-2005

(2) : Non-Metallic, Protection Level 8 (7.62mm M80, 2750-3025 fps.)

(3) :

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	1735	2882	1736	2880	2881	None	
2	1	1729	2892	1730	2890	2891	None	
3	1	1757	2846	1757	2846	2846	None	
4	1	1743	2869	1745	2865	2867	None	
5	1	1757	2846	1759	2843	2844	None	

REMARKS :

FOOTNOTES :



H.P. White Laboratory, Inc.

BALLISTIC RESISTANCE TEST

Client : 5378:ASAP WALLS

Job No. : 000004857 Test Date : 9/18/15

TEST PANEL

Manufacturer : ASAP WALLS

Size : 12 x 12 in.

Thicknesses : 3.249, 3.305, 3.288, 3.281 in.

Avg. Thick. : 3.281 in.

Description : 4mm ACP+18mm GRANITE+25mm EVA+3mm STEEL PLATE+4mm ACP+25mm EVA+4mm ACP.

Sample No. : SAMPLE-1

Weight : 18.95 lbs.

Hardness : NA

Plies/Laminates : NA

Date Rec'd. : 9/18/15

Via : Hand Carried

Returned : Hand Carried

SET-UP

Shot Spacing : 4 ON 4.5" SQUARE, 1 IN CENTER

Witness Panel : 1/8" CORRUGATED CARDBOARD

Obliquity : 0 deg.

Backing Material : NA

Conditioning : Ambient (+72 F)

Primary Vel. Screens : 5.0 ft., 10.0 ft.

Primary Vel. Location : 7.5 ft. From Muzzle

Residual Vel. Screens : NA

Residual Vel. Location : NA

Range to Target : 15.0 ft.

Target to Wit. : 18.0 in.

Range No. : 3

Temp. : 72 F

BP : 30.30 in. Hg

RH : 50%

Barrel No./Gun : R3/.308

Gunner : CHES

Recorder : BONSALL

AMMUNITION

(1) : 7.62x51mm, M80, Ball, 150 gr.

(2) :

(3) :

(4) :

Lot No. : UNKNOWN

Lot No. :

Lot No. :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : Bullet Resistant Equipment, ANSI/UL 752-2005

(2) : Non-Metallic, Protection Level 8 (7.62mm M80, 2750-3025 fps.)

(3) :

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	1735	2882	1736	2880	2881	None	
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3	1	1757	2846	1757	2846	2846	None	
4	1	1743	2869	1745	2865	2867	None	
5	1	1757	2846	1759	2843	2844	None	

REMARKS :

FOOTNOTES :