



8 January 2020

ISBI ARMORing
Carrera 26 No. 23A-30
Bogota, Columbia

Attention: Mr. John Murphy

Subject: ISBI ARMORing, Armor Protection Ballistic Resistance Test: Job No. 3808-004,
Tested 8 January 2020, Purchase Order No. John Murphy

Dear Mr. Murphy:

Please find enclosed a report documenting the subject test series conducted by Chesapeake Testing on 8 January 2020. This report includes a summary of the test as well as a detailed shot record for each armor sample tested.

If you have any questions related to this test, please call Mr. Craig Thomas at 410-297-8154 or contact him via e-mail at craig.thomas@chesapeaketesting.com.

Sincerely,

A handwritten signature in black ink, appearing to read "CS", written over a horizontal line.

Chris Schueler
VP Operations, Chesapeake Testing

cdh

Enc. a/s

This report shall not be used to claim product certification, approval or endorsement. The results of the testing relate only to the samples submitted for testing. This test report shall not be interpreted as an endorsement by NTS-Chesapeake Testing as to the continued quality or performance of any items of the same or similar design.

The information contained in this report may be subject to the provisions of the Export Administration Act (50 USC 2401 et seq.), the Export Administration Regulations (15 CFR 768-799), or the U.S. Arms Export Control Act (22USC 2778 et seq.) and the International Traffic in Arms Regulations (22 CFR 120-130). These statutes and regulations impose restrictions on import, export and transfer to foreign entities and persons, whether within the U.S. or abroad, of certain data and articles without approved licenses from the U.S. Department of State and/or the U.S. Department of Commerce.

NTS-Chesapeake Testing is an independent testing facility and has no affiliation with ISBI ARMORing.

ISBI ARMORING PROPRIETARY INFORMATION

ISBI ARMORing, Armor Protection Ballistic Resistance Test

Prepared by:

Craig A. Thomas
Colleen D. Hallock

NTS-Chesapeake Testing
4603B Compass Point Road
Belcamp, MD 21017

8 January 2020

*Further dissemination only as directed by
ISBI ARMORing, January 2020.*

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BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: ISBI ARMORing
Job No.: 3808-004-1
Test Date: 1/8/2020

Test Panel

Description: Laminated Transparency.

Manufacturer: ISBI ARMORing

Sample No.: 05343

Size: 12.00 x 12.00 in
Avg. Thick: 0.604 in
Thickness: 0.600 in; 0.604 in;
0.605 in; 0.606 in

Weight: 5.01 lbs
Plies/Laminates: NA

Date Received: 1/7/2020
Via: DHL
Returned: DHL

Setup

Shot Spacing: NIJ-STD-0108.01 Level IIIA
Witness Panel: 0.02 in 2024-T3 Al
Backing Material: NA
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 9.500
Primary Vel. Location (ft): 8.000
Range to Target (ft): 16.400
Target to Witness (in): 6.000

Range No.: 6
Temp: 62.9 °F
BP: 29.9 inHg
RH: 35.4%
Barrel/Gun: Test Barrel
Gunner: Matt Rixham
Recorder: M. Contreras

Ammunition

Projectile	Lot No.	Powder
(1) 9-mm, 124-grain FMJ	Remington 23558	Accurate No. 2

Applicable Standards or Procedures

- (1) NIJ-STD-0108.01 Level IIIA
- (2) Customer request

Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Obliq. (°)	Footnotes
1	1	125.1	2186	1372	2191	1369	1371	None	0.0	
2	1	124.4	2120	1415	2125	1412	1413	None	0.0	
3	1	124.4	2150	1395	2157	1391	1393	None	0.0	
4	1	124.4	2147	1397	2155	1392	1395	None	0.0	
5	1	125.0	2123	1413	2128	1410	1411	None	0.0	

Remarks:

Required velocity: 1350-1450 ft/s.
Projectile yaw check: 0° yaw on all impacts.

Footnotes: