



2 July 2021

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

Attention: Mr. John Murphy

Subject: ISBI ARMORing, Armor Protection Ballistic Resistance Test: Job No. 3808-005,  
Tested 30 June 2021, Purchase Order No. Signed Quote

Dear Mr. Murphy:

Please find enclosed a report documenting the subject test series conducted by NTS-Chesapeake Testing on 30 June 2021.

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@nts.com](mailto:craig.thomas@nts.com).

Sincerely,

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

Chris Schueler  
General Manager, NTS-Chesapeake Testing

bw

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 (22 USC 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.

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**ISBI ARMORING PROPRIETARY INFORMATION**



POC: Mr. John Murphy  
Purchase Order No.: Signed Quote  
Test Dates: 30 June 2021  
Job No.: 3808-005

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## ISBI ARMORing, Armor Protection Ballistic Resistance Test

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Prepared by:

**Craig A. Thomas**  
**Beth A. Workman**

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

**2 July 2021**

***Further dissemination only as directed by  
ISBI ARMORing, July 2021.***

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# BALLISTIC RESISTANCE TEST

## NTS-Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: ISBI ARMORing  
Job No.: 3808-005-1  
Test Date: 6/30/2021

### Test Panel

Description: Transparent armor.

Manufacturer: ISBI ARMORing

Sample No.: 05486

Size: 12.00 x 12.00 in  
Avg. Thick: 0.630 in  
Thickness: 0.627 in; 0.636 in;  
0.625 in; 0.630 in

Weight: 5.35 lbs  
Plies/Laminates: NA

Date Received: 6/28/2021  
Via: UPS  
Returned: UPS

### Setup

Shot Spacing: NIJ-STD-0108.01 Level IIIA  
Witness Panel: 0.02 in 2024-T3 Aluminum  
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: 68.5 °F  
BP: 30.1 inHg  
RH: 46.0%  
Barrel/Gun: Test Barrel  
Gunner: G. Bonilla  
Recorder: J.Fulk

### Ammunition

Projectile	Lot No.	Powder
(1) .357-cal., 125-grain SIG FMJ FN	Speer	Accurate No. 2

### Applicable Standards or Procedures

- (1) NIJ-STD-0108.01 Level IIIA (Modified)
- (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	125.3	2145	1399	2145	1399	1399	None	0.0	
2	1	124.1	2111	1421	2111	1421	1421	None	0.0	
3	1	124.6	2118	1416	2118	1416	1416	None	0.0	
4	1	124.6	2093	1433	2091	1435	1434	None	0.0	
5	1	125.0	2137	1404	2135	1405	1404	None	0.0	

Remarks:

Required Velocity: 1410 ± 30 ft/s.

Footnotes:



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**ATTACHMENT A**  
**CALIBRATION DATA**

<b>Job Number:</b> 3808-005					
<b>Customer:</b> ISBI ARMORing			<b>Date:</b> 6/30/21		
<b>Range:</b> 6		<b>Range Lead:</b> Jesse Fulk			
Equipment	Serial Number	NTS I.D. #	Cal. Date	Due Date	Range Lead Initials
Chronograph 1	111	WC067021	9/9/2020	9/9/2021	JF
Chronograph 2	100	WC060268	9/9/2020	9/9/2021	JF
Powder Scale	A23019716	WC075083	5/27/2021	11/27/2021	JF
Floor Scale	AE20150917107	WC060228	12/9/2020	12/9/2021	JF
100 ft. Tape Measure	906	WC064334	10/19/2020	10/19/2022	JF
25 ft. Tape Measure	WC074973	WC074973	10/19/2020	10/19/2022	JF
Thermometer	200175414	WC074980	3/9/2020	3/9/2022	JF
BFD Tool	40034	WC067110	8/4/2020	8/4/2021	JF
BFD Bridge	19/190064	WC074145	11/10/2020	11/10/2021	JF
Angle Block	842	WC064272	1/6/2021	1/6/2022	JF
Temp/Humidity/BP Sensor	M21050300	WC075110	3/23/2021	11/23/2021	JF



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**END OF REPORT**