

Element Materials Technology Wichita

7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.
Phone: (316) 832-1600
www.element.com

HARD ARMOR STAND-ALONE PLATE:
P-BFS TEST

Date Received: March 26, 2025

Via: Hand Carry

Returned Via: Hand Carry

Record No.: RMA25003-16

Test Date: March 26, 2025

Customer: RMA Armament, Inc.

Test Conditions

Temperature: 69.8 °F

Humidity: 39 %

Clay Block No.: 11

Clay Block Size: 24" x 24" x 5.5" °F

Clay Temp.: 97.5

Drop Average: 18.37

Range 3

Muzzle to Screen 1: 10.00 ft.

Screen 1 - 4: 5.00 ft.

Screen 4 - Target: 10.00 ft.

Midpoint to Target: 12.50 ft.

Barrel Length: 20 in.

Test Standard: Modified / Abbreviated NIJ Standard 0101.07 October, 2023
Threat Level: NIJ RF2
Conditioning: Wet / Dropped

Sample Tested Description		Shot / Projectile Description				Chronograph		Test Results	
Manufacturer:	RMA Armament, Inc.	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) / Type	TIME sx-5	VELOCITY ft/s	Perforation BFD (mm)
Model No.:	XRT	1	1	0°	7.62x39mm	119 / API BZ	212.4	2354	25.78
Lot No.:	240546	2	2	0°			211.9	2360	23.19
Serial No.:	20250820001	3	3	0°			214.6	2330	26.61
Size:	9.5 x 12.5								
Weight (lbs.):	5.996								

This test was performed in accordance with the specification requirements listed in addition to any customer testing modifications or requests. The test results properly reflect the ballistic performance of the listed sample. This test report shall not be reproduced except in full without written approval of Element Materials Technology.

Notes:

•Plate tested non-planar (with clay build-up/mound)

Ammunition Description:

Russian 7.62x39mm 119 gr. API BZ
Velocity: 2350 +/- 30 ft/s

Sample Description:

•Customer Proprietary.

ITAR-Controlled Data

This document contains technical data whose export and reexport/retransfers is subject to control by the U.S. Department of State under the Arms Export Control Act and the International Traffic in Arms Regulations. The Department of State’s prior written approval is required for the export or reexport/retransfer of such technical data to any foreign person, foreign entity, or foreign organization whether in the United States or Abroad.

Project Manager: Montgomery
Range Tech(s): Nguyen