RF1 III+ RIFLE PLATE

♥ ACE LINK ARMOR

ULTRA-LIGHT NIJ.07 RF1 HARD ARMOR PLATE





THICKNESS:

22 MM

0.90 "

SIZE:

10X12"



WEIGHT: 1.15 KG 2.50 LBS



BALLISTIC MATERIAL: UHMW PE COMPOSITE D30 PAD INTEGRATED



WARRANTY: 5 YEARS

MODEL	B-AP-RF1-1012
NIJ.06 LEVEL OF PROTECTION:	LEVEL III+ SPECIAL THREAT
NIJ.07 LEVEL OF PROTECTION:	RF1 STOPS
CALIBERS STOPPED	7.62X51 M80 7.62X39 MSC 5.56X45 M193
BACK FACE MITIGATION SYSTEM:	D3O HBALLISTIC FOAM PAD INTEGRATED
WRAP MATERIAL:	NYLON FABRIC
MULTI-HIT CAPABILITY:	100% EDGE-TO-EDGE-COVERAGE
WARRANTY:	5 YEARS

KEY FEATURES

The Ace Link Armor RF1 III+ Rifle Plate Ultra-lightweight, high-performance ballistic protection

The Ace Link Armor RF1 III+ Rifle Plate is a next-generation hard armor solution designed for exceptional ballistic performance without compromising mobility. Engineered from advanced UHMW PE composite materials and integrated with D30® Ballistic™ trauma padding, this plate delivers superior impact mitigation and back face deformation reduction.

Weighing only 1.15 kg (2.50 lbs) and with a low-profile 22mm (0.90") thickness, the RF1 plate offers optimal ergonomics for extended wear, making it ideal for high-mobility operations. It provides NIJ.06 Level III+ special threat protection and meets NIJ.07 RF1 standards, stopping common rifle rounds including 7.62x51mm M80, 7.62x39mm MSC, and 5.56x45mm M193.

With 100% edge-to-edge multi-hit coverage, and a nylon fabric wrap for added durability, the RF1 plate is a versatile and mission-ready solution. Backed by a 5-year warranty, it sets a new standard in lightweight rifle protection.



Project No.: PH00011813

BALLISTIC RESISTANCE TEST

Element U.S. Space & Defense -Belcamp

4603B Compass Point Road Belcamp, MD 21017 Client: Ace Link Industrial Inc. Project No.: PH00011813 Test Date: 06/18/2024 Page 1 of 1

Test Panel | **Description:** Torso plate tested stand alone. B-AP-RF1-PE-1012

Manufacturer: Ace Link Industrial Inc. | Sample No.: (M80, V0) Plate A-2

Size: 10.00 x 12.00 in Weight: 2.570 lbs

Avg. Thickness: N/A
Thicknesses: N/A

Plies/Laminates: N/A

Date Received: 06/07/2024 Received Via: FEDEX, Express

Saver Returned Via: FEDEX, Express

Saver

Setup

Shot Spacing: NIJ-STD-0101.06

Level III

Witness Panel: Clay Backing Material: 5.5-in clay/plywood

Condition: Ambient

Primary Vel. Screens (ft): 37.000, 37.333,

46.666, 47.000 Primary Vel. Location (ft): 42.000

Range to Target (ft): 50.200 Target to Witness (in): 0.000 Range No.: Range 5

Temp: 67.7 °F BP: 30 inHg RH: 52 % Barrel/Gun: WC079283 Gunner: Jacob Arisman

Recorder: Cody Schilling

Ammunition

Projectile	Lot No.	Manufacturer	Powder	
(1) 7.62 x 51-mm, 149-grain M80 FMJ	NA	Military	N133	

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 9:35 PM; Block No. WC074183; Temp: 91.7 $^{\circ}$ F; Drop Depths: 17.2 mm,17.9 mm,16.4 mm,19.1 mm,18.1 mm

(1) NIJ-STD-0101.06 Level III (Modified)

(2) Customer Request

Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel.2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	40.4	148	3575	2797	3341	2793	2795	None	42.3	0	
2	1	40.4	148	3564	2806	3329	2804	2805	None	37.7	0	
3	1	40.4	148	3564	2806	3329	2804	2805	None	41.6	0	
4	1	40.4	148	3560	2809	3325	2807	2808	None	41.4	0	
5	1	40.4	148	3577	2796	3342	2793	2794	None	39.2	0	
6	1	40.4	148	3590	2786	3355	2782	2784	None	47.1	0	

Remarks:

Required velocity: 2750 - 2810 ft/s. Projectile Yaw Check: 0° on all impacts.

Footnotes:

N/A

RF1 ULTRA-LIGHT RIFLE PLATE

ULTRA-LIGHTWEIGHT

ONLY 2.50 LBS

STOPS

7.62 X 51MM M80 7.62 X 39MM 5.56 X 45MM M193

MULTI-HIT CAPABILITY

100% EDGE-TO-EDGE COVERAGE

D3O® BALLISTIC™
INTEGRATED TRAUMA PAD



D30° INTEGRATED D30° BALLISTIC™ PADDING

ULTRA-LIGHTWEIGHT RIFLE PROTECTION WITH ADVANCED IMPACT MITIGATION