

PERSONAL PROTECTION
Hard Plates

Bullet Plate Levels

250mm X 300 mm

Level III (1.5 kg - 1.75kg)

FMJ 7.62mm X 51mm / M80

AK 47 7.62mm X 39mm PS

MI93 5.56mm X 45mm

Level III+ (1.8kg-2.0kg)

FMJ 7.62mm X 51mm / M80

AK47 7.62mm X 39mm PS

MI93 5.56mm X 45mm

SS109 5.56mm X 45mm

Level III++ (2.5kg-2.75kg)

FMJ 7.62mm X 51mm / M80

AK47 7.62mm X 39mm PS

MI93 5.56mm X 45mm

SS109 5.56mm X 45mm

AK47 7.62mm X 39mm APIBZ

Level IV (2.8kg-3.0kg)

FMJ 7.62mm X 51mm / M80

AK47 7.62mm X 39mm PS

MI93 5.56mm X 45mm

SS109 5.56mm X 45mm

AK47 7.62mm X 39mm APIBZ

30.06 7.62mm X 63mm AP



Bullet Plate
ballistic armor solutions



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BULLETPATE

Ultra Shield Ultra Light



Bullet Plate
ballistic armor solutions

Thin and light - Wins the Fight

Bullet Plate Advantages

Our product provides superior protection compared to other armors

Unique laminated high technology using space-age composite materials (high resistant armor-plate steels and ceramics, ballistic fibers, plastics and adhesives)

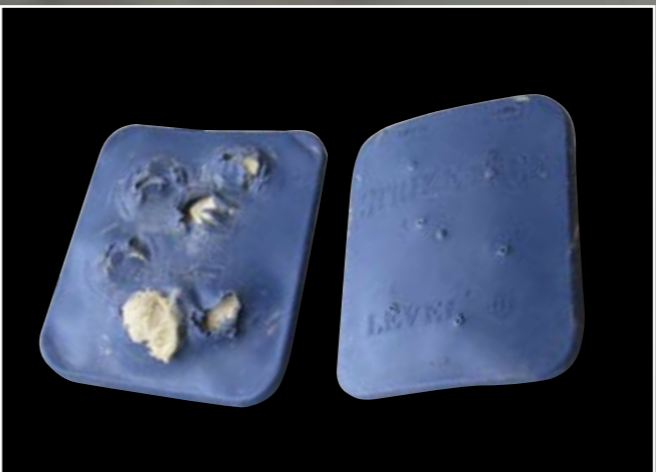
Our high-quality armor is shielded with plastic to ensure long-time endurance and resistance to chemical agents, water and physical impact

Our products which comply with NIJ, STANAG, Russian and German ballistic standards, can be delivered to fulfill a wide range of threats – including bullets and shrapnel in all areas of potential hazards - personal, military, vehicle, aircraft and naval

We can also provide customized products that meet special needs of our clients

Rapid production and delivery (Our production ranges from 500-1000 plates/day)

Together with these positive attributes, our armor product has the lowest mass on the market and is cost-effective



Ballistic Test Report

The Client: BULLET PLATE Date: 29.01.08
 Description: PLATE r-430 Report No.: 1814
 Order details: No 8

Panel Details:
 Weight (kg): 2.705 Area weight (kg/m²): 36.1
 (lbs): 5.96 (lb./sq ft.): 7.39
 Thickness (mm): 19mm Dimensions: (mm): 250 X 300
 (inches): #VALUE! (inches): 9.84 X 11.81
 Dry sample (X) \ Wet sample ()
 Test Std.: NIJ STD 0101.04 Level: IV
 BACKING CLAY+ IIA CONJUNCTION.

Projectile/Round:
 (*) Type: 7.62X63
 (*) Origin: M-2 AP
 (*) Weight: 166 grains / 10.8 gr.

Lab. Set-up
 (*) Range to Target: 10 m. / 32.81 feet
 (*) Temperature: 23 °C / 73 °F
 (*) Rel. Humidity: 52 (%)

Test Results

Shot No.	Test Bullet	Description	Weight (grams)	Distance (meters)	Angle 90 deg. unless specified	Velocity (ft/sec)	Penetrated/Stopped	RFS (inches)
1	7.62X63	M-2 A.P.	166	32.81	0	2775	Stopped	
2	7.62X63	M-2 A.P.	166	32.81	0	2740	Stopped	
3								
4								
5								
6								
7								
8								

Remarks: Bullet No-1 Stopped In The Conjunction.

Ballistic Test Report

The Client: BULLET PLATE Date: 08.07.08
 Description: PLATE r-430 Report No.: 2113
 Order details:

Panel Details:
 Weight (kg): 1.827 Area weight (kg/m²): 24.3
 (lbs): 4.03 (lb./sq ft.): 4.96
 Thickness (mm): Dimensions: (mm): 250 X 300
 (inches): (inches): 9.84 X 11.81
 Dry sample (X) \ Wet sample ()

Projectile/Round:
 (*) Type:
 (*) Origin:
 (*) Weight: grains / gr.

Lab. Set-up
 (*) Range to Target: 10 m. / 32.81 feet
 (*) Temperature: 23 °C / 73 °F
 (*) Rel. Humidity: 52 (%)

Test Results

Shot No.	Test Bullet	Description	Weight (grams)	Distance (meters)	Angle 90 deg. unless specified	Velocity (ft/sec)	Penetrated/Stopped	RFS (inches)
1	7.62X51 FNM	NATO BALL M-80	148	32.81	90	2785	Stopped	
2	7.62X51 FNM	NATO BALL M-80	148	32.81	90	2775	Stopped	
3	7.62X51 FNM	NATO BALL M-80	148	32.81	90	2741	Stopped	
4	7.62X39 10	M-43 Bulgaria	123	32.81	90	2589	Stopped	
5	7.62X39 10	M-43 Bulgaria	123	32.81	90	2411	Stopped	
6	7.62X39 10	M-43 Bulgaria	123	32.81	90	2373	Stopped	
7	5.56X45 IMI	M-855/SS-109	62	32.81	90	3086	Stopped	
8	5.56X45 IMI	M-855/SS-109	62	32.81	90	3064	Stopped	
9	5.56X45 IMI	M-855/SS-109	62	32.81	90	3085	Stopped	

Remarks: Bullets No:1 4 7 Stopped In The Conjunction.

Bullet Plate – who are we?

Our product is world-wide protected (patent pending) for the design and production of advanced ballistic defense elements for tactical protection in personal, military, vehicle, naval and aircraft environments

The founders of this enterprise have extensive engineering and field experience in design, production and product development in ballistic armor technologies

Our products have shown a very high level of verified fitness of performance over several years

We aim on energy savings and environmental quality

We provide expert know-how to our customers

NIJ STANDARD Bullet Resistance Of Personal Body Armor

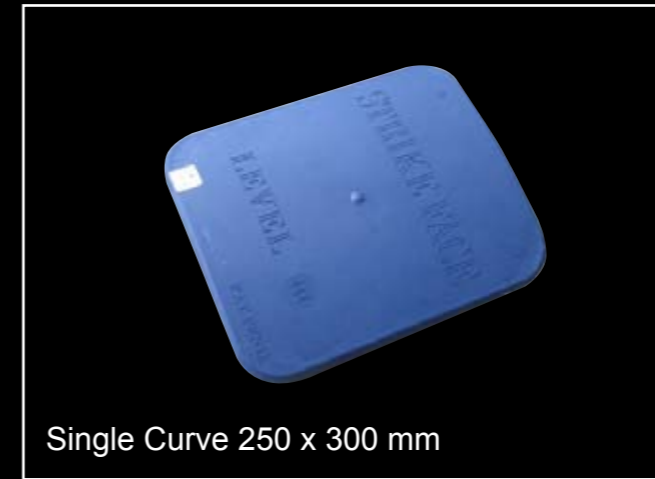
Armor Type	Test Ammunition	Nominal Bullet Mass	Minimum Required Bullet Velocity	Required Fair Hits Per Armor	Maximum Depth Of Deformation
II	3.57 Magnum	10.2 gr	381 m/s	6	44 mm
	9 mm	8.0 gr	332 m/s	6	44 mm
III-A	44 Magnum Lead SWC Gas Checked	15.55 gr	426 m/s	6	44 mm
	9 mm FM	8.0 gr	426 m/s	6	44 mm
III	7.62 MM (308 Winchester FM)	9.7 gr	838 m/s	6	44 mm
IV	30-06 7.62 mm AP	10.8 gr	868 m/s	1	44 mm

NATO AEP-55 STANAG 4569 - Protection levels for Occupants of Logistic and Light Armoured Vehicles

Level	KE Threat	Bullet	Distance	Velocity*
I	Rifle	7.62 x 51 NATO Ball (Ball M80) 5.56 X 45 NATO SS109 5.56 X 45 M193	30 Metres	833m/sec (M80)
II	Infantry Rifle	7.62 x 39 API BZ	30 Metres	695m/sec
III	Sniper Rifle	7.62 x 51 AP (WC core) 7.62 x 54R B32 API (Dragunov)	30 Metres	930m/sec (51 AP) 854m/sec (54R)
IV	Heavy Machine Gun	14.5 x 114AP / B32	200 Metres	911m/sec
V	Automatic Cannon	25mm APDS-TM-791 or TLB 073	500 Metres	1258m/sec

Russia - GOST R 50744-95 Ballistic Standard

Class	Test Bullet	Bullet Weight	Bullet Velocity	Max. Backface Deformation
1	9 mm Makarov PM	5.9 g	950-1035 ft/s (290-315 m/s)	0.67 in (17 mm)
	7.62 Nagan	6.8 g	870-935 ft/s (265-285 m/s)	0.67 in (17 mm)
2	5.45 PSM	2.5 g	1015-1065 ft/s (310-325 m/s)	0.67 in (17 mm)
	7.62 Tokarev TT	5.5 g	1360-1460 ft/s (415-445 m/s)	0.67 in (17 mm)
2a	18.5 12" Hunter	35.0 g	1280-1345 ft/s (390-410 m/s)	0.67 in (17 mm)
3	5.45 AK 74	3.4 g	2855-2920 ft/s (870-890 m/s)	0.67 in (17 mm)
	7.62 AKM	7.9 g	2330-2380 ft/s (710-725 m/s)	0.67 in (17 mm)
4	5.45 AK 74	3.4 g	2855-2920 ft/s (870-890 m/s)	0.67 in (17 mm)
	7.62 SVD	9.6 g	2690-2740 ft/s (825-835 m/s)	0.67 in (17 mm)
5	7.62 AKM	7.9 g	2330-2380 ft/s (710-725 m/s)	0.67 in (17 mm)
6	7.62 SVD	9.6 g	2690-2740 ft/s (820-835 m/s)	0.67 in (17 mm)



Single Curve 250 x 300 mm



Argometric Back



Argometric Front



Esapi 250 x 300 mm



Combat Helmet



Personal Ballistic Shield



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