



BLACK SECURITY PRODUCTS

PERIMETER SECURITY SYSTEMS
HOUSTON, TEXAS · USA



PRODUCT CATALOG

2026

Crash-rated vehicle barriers and high-security fencing, engineered and manufactured in Houston. Twelve product series, from a passive cable line to an M50 wedge, tested to **ASTM F2656** and specified across military, federal, utility and data-center perimeters.

ASTM F2656 · M30 / M50

DOD ANTI-RAM LIST

MADE IN THE USA

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A full product brochure is published for every series. The model index on page 3 lists every AVBD number in the line.

EVERY MODEL, ONE PAGE.

Ratings shown are the designation and penetration rating each system carries. Where a figure traces to a specific crash test on a BSP article, the product brochure names the report.

MODEL	SYSTEM	RATING
AVBD 131	M30 P1 Passive Cable Barrier	M30 P1
AVBD 132	M30 P2 Passive Cable Barrier	M30 P2
AVBD 151	M50 P1 Passive Cable Barrier	M50 P1
AVBD 152	M50 P2 Passive Cable Barrier	M50 P2
AVBD 210	Bi-Folding Speed Gate	Access control
AVBD 230	M30 Slide Gate	M30 P1
AVBD 231	M30 Swing Gate	M30 P1
AVBD 250	M50 Slide Gate	M50 P1
AVBD 251	M50 Swing Gate	M50 P2
AVBD 301	6 in Bollard	Security bollard
AVBD 302	8 in Bollard	Security bollard
AVBD 303	Dept. of State Bollards	DS22–25, 30, 50, R
AVBD 330	M30 Bollard	M30
AVBD 331	Drill-and-Set Bollard	M30 P1
AVBD 340	M40 Bollard	M40
AVBD 350	M50 Bollard	M50
AVBD 451ES	M50 P1 Extra Shallow Wedge	M50 P1
AVBD 452	M50 P1 Shallow Foundation Wedge Barrier	M50 P1
AVBD 531	M30 P1 Drop Arm	M30 P1

MODEL	SYSTEM	RATING
AVBD 551	M50 P1 Drop Arm	M50 P1
AVBD 552	M50 P2 Drop Arm	M50 P2
AVBD 651	Defender Net Barrier	M50 P2
AVBD 731	MPPD Passive Barrier	M30 P2
AVBD 732	MPPD Drop Arm	Active, portable
AVBD 733	MPPD Sentry	Portable
AVBD 951	Post & Beam	M50 P1
AVBD 1001	SecureMesh™ Base System	358 anti-climb
AVBD 1002	SecureMesh™ Integrated PVB	M30 / M50
AVBD 1003	SecureMesh™ Delay	ASTM F1233 Class IV
AVBD 1006	SecureMesh™ Correctional	Detention grade
AVBD 1007	SecureMesh™ Shutter	Visual screening
AVBD 1010	SecureMesh™ Temporary	Rapid deploy
AVBD 1101	SecurePale™ Palisade	M30 / M50 · P1 / P2
AVBD 1102	SecurePale™ Bypass	Palisade
AVBD 1200	ENC Non-Conductive Fence	Non-conductive
AVBD 1300	Ballistic Rated Fence	UL 752 Levels 1–8

Reading the ratings. ASTM F2656 designations pair a vehicle and a speed with a penetration result. **M30**, **M40** and **M50** are the 15,000 lb standard test truck at 30, 40 and 50 mph. **P1** is under 3.3 ft of penetration, **P2** is 3.31 to 23 ft, **P3** is 23.1 to 98.4 ft. A designation applies to the configuration that was tested; anything built from it is engineered and stated as such. Listing on the DoD Anti-Ram Vehicle Barrier List confirms that a test report met the standard. It is not a Department of Defense endorsement and BSP does not present it as one.

CABLE BARRIER SYSTEMS

MODEL	SYSTEM	TESTED
AVBD 131	M30 P1 Passive Cable Barrier	30 ft post spacing
AVBD 132	M30 P2 Passive Cable Barrier	200 ft post spacing
AVBD 151	M50 P1 Passive Cable Barrier	18–20 ft post spacing
AVBD 152	M50 P2 Passive Cable Barrier	30–200 ft post spacing



Passive cable line carried behind an ornamental fence — the barrier is invisible from the approach.

A passive vehicle barrier with no power, no moving parts and nothing to maintain. Two 1½ in 6×36 IWRC steel wire ropes run un-tensioned through concrete-filled crash posts, carried at 33 in and 39 in above grade.

The proprietary post connection uses a full post wrap and keeper strap, so the line needs no compression clamps, cable breaks or spelter fittings at line or corner posts. Direction changes are made without additional parts.

Six full-scale crash tests at three independent accredited laboratories. Every configuration in the table is listed on the DoD Anti-Ram Vehicle Barrier List.

The same cable line integrates behind ornamental picket, chain link, palisade and welded mesh, so a site can carry one rated barrier under whatever fence the architecture calls for.

RUN LENGTH IS SET BY THE SITE

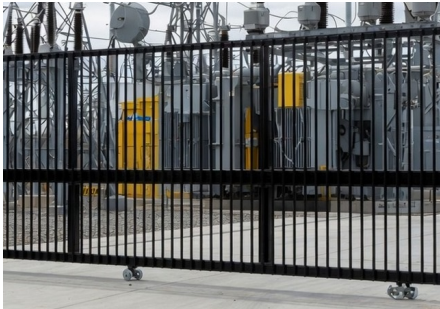
Post spacing sets the rating. At the tested spacing the line extends without a corner or terminal post, so the run follows the boundary rather than the barrier.

ASTM F2656 · M30 / M50

DOD ANTI-RAM LIST

20-YEAR WARRANTY

MODEL	SYSTEM	RATING
AVBD 210	Bi-Folding Speed Gate	Access control
AVBD 230	M30 Slide Gate	M30 P1
AVBD 231	M30 Swing Gate	M30 P1
AVBD 250	M50 Slide Gate	M50 P1
AVBD 251	M50 Swing Gate	M50 P2



Crash-rated slide gate with chain link infill and a barbed top on a commercial drive.

Every fence line ends at a gate, and the gate is where the barrier has to open. BSP crash gates are built around the connection: a three inch 4140 steel pin passes through a stack of plates at each end of the panel and lands in the post.

Clear openings from **12 ft to 30 ft** across every gate in the series. Chain link, ornamental picket, palisade or welded mesh infill on the same rated frame.

Both slide gates were crash tested on BSP articles to ASTM F2656-23, the current edition, at a third-party laboratory. The swing gates are manufactured under license to a crash-tested design.

Electric operation at 1 ft per second standard, or 2 ft per second on the high-speed operator. The gate is secured by the pin, not by the operator — loss of power does not unlock a closed gate.

BI-FOLDING, WHEN SECONDS COUNT

The AVBD 210 folds each leaf against its own post rather than running it alongside the opening. Up to a 30 ft clear span, UL 325 and UL 991, continuous duty.

ASTM F2656-23 · M50 P1

SLIDE · SWING · BI-FOLD

10-YEAR GATE WARRANTY

BOLLARDS

MODEL	SYSTEM	TEST LEVEL
AVBD 301	6 in Bollard	Security bollard
AVBD 302	8 in Bollard	Security bollard
AVBD 303	Department of State Bollards	DS22, 23, 24, 25, 30, 50, R
AVBD 330	M30 Bollard	M30
AVBD 331	Drill-and-Set Bollard	M30 P1
AVBD 340	M40 Bollard	M40
AVBD 350	M50 Bollard	M50



Crash-rated bollard run at a federal facility, set flush with the drive surface.

A full line of standard, shallow-mount and manually removable bollards for perimeter protection, pedestrian safety and traffic control. Style varies with the site and the architecture; the crash performance comes from what is in the ground.

Manufactured in the United States.

The AVBD 331 Drill-and-Set is the simplest crash-rated foundation BSP builds — one drilled pier, 36 inches across, with no reinforcing cage. Crash tested at Applus IDIADA on 21 August 2025 to ASTM F2656-23: a 30.6 mph impact, 2.4 ft of dynamic penetration against a 3.3 ft P1 limit.

It installs with the same auger that drills the fence line.

AESTHETICS WITHOUT COMPROMISE

Bollard covers, finishes and reveal heights are selected to the site. The rating lives in the pipe and the pier, not the sleeve.

ASTM F2656-23 · M30 P1

36" DRILLED PIER · NO REBAR

MADE IN THE USA

WEDGE BARRIERS

MODEL	SYSTEM	TESTED
AVBD 452	M50 P1 Shallow Foundation Wedge	10 ft
AVBD 451ES	M50 P1 Extra Shallow Wedge	10 ft



M50 wedge deployed at a controlled entrance. The drive acts directly on the wedge.

A three-finger wedge driven directly by its actuator. There are no tracks, springs or pulleys between the drive and the barrier, so the wear paths that put a wedge out of service are not in the design.

Hydraulic, hybrid or electric drive, selected to the site. Emergency fast operation available.

A 15,120 lb truck at 51.46 mph produced 0.45 ft of dynamic penetration — about five and a half inches, roughly 13 percent of what a P1 rating permits. Static penetration was –0.75 ft. Report TR-P44175-01, Applus IDIADA KARCO, 28 May 2024, ASTM F2656-23.

The USACE Protective Design Center added the M50 P1 Shallow Foundation Wedge Barrier to the DoD Anti-Ram Vehicle Barrier List in March 2025.

SHALLOW MEANS SHALLOW

The 452 mounts in a shallow foundation and the 451ES shallower still, which is what makes a wedge possible over utilities, tunnels and structural decks.

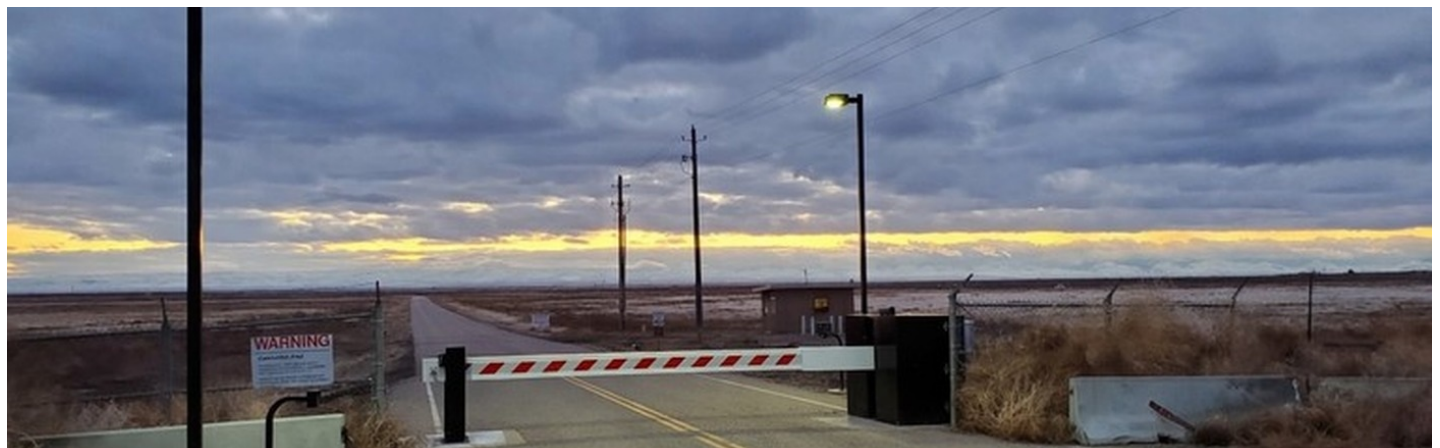
ASTM F2656-23 · M50 P1

0.45 FT PENETRATION

DOD ANTI-RAM LIST

DROP ARM BARRIERS

MODEL	SYSTEM	RATING
AVBD 531	M30 P1 Drop Arm	M30 P1 · 24 ft
AVBD 551	M50 P1 Drop Arm	M50 P1 · 24 ft
AVBD 552	M50 P2 Drop Arm	M50 P2 · 24 ft



Drop arm at a remote access control point. The beam lifts on a single hydraulic cylinder.

Where traffic has to be controlled at an opening and a wedge or a gate is more barrier than the site needs, a drop arm gives a 24 ft clear opening on a single hydraulic cylinder and very little in the ground.

Clear opening is the specification a drop arm lives or dies on, because it is the one thing a site cannot negotiate.

The M50 P1 arm recorded 2.97 ft of dynamic penetration against the 3.3 ft P1 limit. The M50 P2 arm recorded 5.55 ft and is listed on the DoD Anti-Ram Vehicle Barrier List at a 24.0 ft clear opening.

All three arms are offered at a 24 ft clear opening. The M30 P1 and M50 P2 arms were tested at 24 ft, the M50 P1 arm at 20 ft. Each rating is a measured result from its own full-scale impact.

PICK THE P NUMBER TO THE STANDOFF

P1 and P2 are both passes. The difference is how much room sits between the barrier line and what you are protecting.

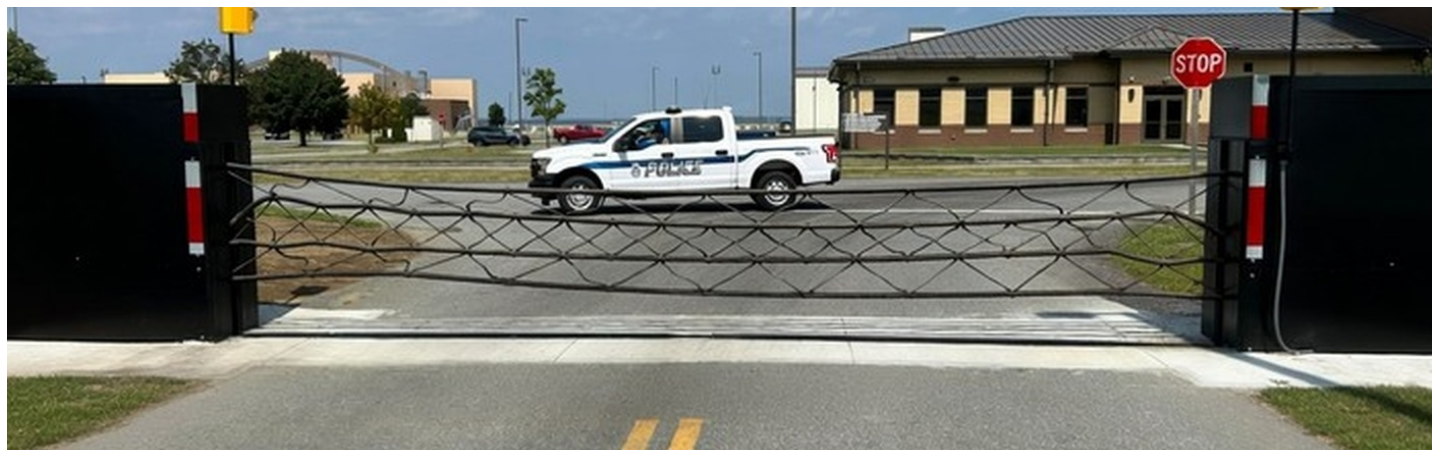
ASTM F2656 · M30 / M50

24 FT CLEAR OPENING

DOD ANTI-RAM LIST

DEFENDER NET BARRIER

MODEL	SYSTEM	TESTED
AVBD 651	Defender Net Barrier	21'-3½" and 72' spans



Deployed net across a controlled lane. The vehicle is arrested rather than struck.

A net barrier stops a vehicle by arresting it over a distance rather than striking it at a point. That trades a longer stopping distance for a much lower rate of deceleration, which is the design intent where liability and survivability matter.

Energy is taken by an energy absorption device in each stanchion. There is no motor pulling against a motor and no shear pin to replace.

Crash tested twice — at its shortest span and its longest — and rated M50 P2 on both. Calspan reports BR0001 and BR0015, 18 March and 2 July 2020, ASTM F2656-15.

Testing both ends of the range means a span between them is engineered from two results rather than one, and BSP states which configuration a project is built from.

ACCREDITED, NOT SELF-REPORTED

Both tests were run by Calspan Corporation at Buffalo, New York, accredited to ISO/IEC 17025 for ASTM F2656 under certificate L13-137.

ASTM F2656-15 · M50 P2

21'-3½" TO 72' SPAN

VEHICLE ARRESTED, NOT STRUCK

MPPD

MODEL	SYSTEM	RATING
AVBD 731	MPPD Passive Barrier	M30 P2
AVBD 732	MPPD Drop Arm	Active, portable
AVBD 733	MPPD Sentry	Portable



MPPD run deployed on grade. No foundation, no excavation, no permanent works.

A crash-rated perimeter that arrives on a truck and leaves without a trace. The MPPD needs no foundation and no excavation, so a rated line can go around a site in days rather than a construction season.

Data centers use it to secure a perimeter during construction, then move it to the next building when the permanent barrier goes in.

A 15,027.6 lb truck at 31.94 mph produced 22.29 ft of dynamic penetration — inside the P2 band. Report TR-P41085-01, Applus IDIADA KARCO, 1 April 2021, ASTM F2656-20.

The tested arrangement was three 42-foot spans with ballast between and at each end, impacted on the center span. It is listed on the DoD Anti-Ram Vehicle Barrier List.

STANDOFF IS THE DESIGN DECISION

P2 permits up to 23.0 ft and this system used 22.29 ft of it. Set the run so the asset sits beyond that distance.

ASTM F2656-20 · M30 P2

42 FT CENTER SPAN

DOD ANTI-RAM LIST

MODEL	SYSTEM	TESTED
AVBD 951	M50 Post & Beam	30 ft post spacing



Post and beam under construction at the proving ground — beam seated on the crash post.

A rigid passive barrier for sites that need the certainty of a beam rather than the flexibility of a cable line. Concrete-filled crash posts carry a continuous steel blocking beam at 30 ft spacing.

It is not as cost effective as the cable systems, and BSP will say so where a cable line will do the job.

Post and beam has become more common since ASTM F2656 changed where penetration is measured on a passive barrier. The reference point moved upstream, which penalizes any system that deflects under load. A rigid beam deflects less than a cable line, so it gives up less of the measurement.

Harder to install and more costly in material — but where the standoff is tight, that is the trade a site sometimes has to make.

WHERE A BEAM BEATS A CABLE

Short runs, tight standoff, and any line where the specifier has written a rigid barrier into the section. Ask for a comparison before it is specified.

ASTM F2656 · M50 P1	30 FT POST SPACING	NO MOVING PARTS
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SECUREMESH™ FENCE SYSTEMS

MODEL	CONFIGURATION	BUILT FOR
AVBD 1001	SecureMesh™ Base System	358 anti-climb platform
AVBD 1002	SecureMesh™ Integrated PVB	Crash-rated fence line
AVBD 1003	SecureMesh™ Delay	Certified cut-delay
AVBD 1006	SecureMesh™ Correctional	Detention grade
AVBD 1007	SecureMesh™ Shutter	Visual screening
AVBD 1010	SecureMesh™ Temporary	Rapid deployment



SecureMesh at a corporate perimeter — near-transparent for cameras, finger-proof to a climber.

One modular welded-mesh platform in six configurations. Every system shares the same 3 in × 0.5 in aperture panel, H-profile post and concealed clamp block — what changes is how it is configured for the threat.

Welded at every intersection, with no exposed hardware on the unsecure side and no field welding.

The Integrated PVB configuration carries BSP's DoD-listed passive cable barrier behind the mesh line, so one fence stops the climber and the 15,000 lb truck.

Delay is independently cut-delay tested where the metric is time-to-breach rather than simple denial. Correctional adds height, post section and a razor-ready top detail.

RAILS ADD SPAN, NOT A NEW SYSTEM

Horizontal rails can be added to the standard panel for extra rigidity and taller runs. Same platform, same posts, same hardware.

ASTM A123 · EN 13438

358 ANTI-CLIMB

20-YEAR DURABILITY WARRANTY

SECUREPALE™ PALISADE

MODEL	SYSTEM	RATING
AVBD 1101	SecurePale™ Palisade	M50 P1 / P2 · M30 P1 / P2
AVBD 1102	SecurePale™ Bypass	Palisade



DEPARTMENT OF THE ARMY
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OMAHA, NE 68102-4801

Protective Design Center

January 31, 2023

Black Security Products
303 Airport Way STE1
Kalispell, Montana 59901

Dear Black Security Products:

The Protective Design Center received the submitted test report for the M50 P2 Black Security 2 Strand Cable Fence, 600' Span barrier from Calspan Corporation (ASTM F2656-20, test number BR0025, test date October 23, 2020, report date October 3, 2022) and determined the report meets test standard ASTM F2656-20, *Standard Test Method for Vehicle Crash Testing of Perimeter Barriers*. The Protective Design Center will add the barrier to the Department of Defense Anti-Ram Vehicle Barrier List in February 2023.

The acceptance of the submitted test report only indicates that the test report met the criteria specified in ASTM F2656. Acceptance is neither an endorsement of the barrier nor a guarantee



SecurePale run with W-profile pales on I-beam posts — modular, with no site welding.

A modular palisade system built on W-shaped pale profiles and I-beam or SHS post sections, hot-dip galvanized and available powder coated. Completely modular — no on-site welding or fabrication.

The pale profile resists bending and levering in a way a flat picket cannot, which is what makes it a delay product as well as a boundary.

Crash rated at M50 and M30, P1 and P2, with a maximum tested span of 200 ft anchor to anchor. The rated configurations carry BSP's passive cable line integrated behind the pale face.

Also tested to ASTM F2781 for forced entry, so the same line answers both the vehicle threat and the person with tools.

ONE LINE, TWO THREATS

Palisade that is only a fence asks the site for a second barrier. SecurePale carries the vehicle rating inside the fence line.

ASTM F2656 · F2781

200 FT TESTED SPAN

30-YEAR WARRANTY

ENC SECURITY FENCE

MODEL	SYSTEM	TESTED
AVBD 1200	ENC Non-Conductive Fence	ASTM F2781-15 · A2.2



ENC fence and gate at an energized substation. No conductive path, no additional grounding.

A fence for energized sites. The panel, posts and frames are fiberglass composite with the color through the section, so there is no conductive path from the fence to grade and no additional grounding study when the fence is upgraded.

Certified laboratories run a flash-over voltage test on every batch.

Forced-entry tested at Southwest Research Institute to ASTM F2781-15 at the aggressive threat level. The panel held 2.2 minutes against a 14 in gas cut-off saw, with the resulting opening measuring 25 by 27 inches. The rating is A2.2.

Used by utility and telecommunication operators as part of the physical security plan that answers FERC and NERC requirements — without reopening the station's grounding study.

SPECIFY THE LEVEL, NOT THE PRODUCT

ASTM F2781 rates a delay time against a defined tool set. Write the level the site needs and the product follows.

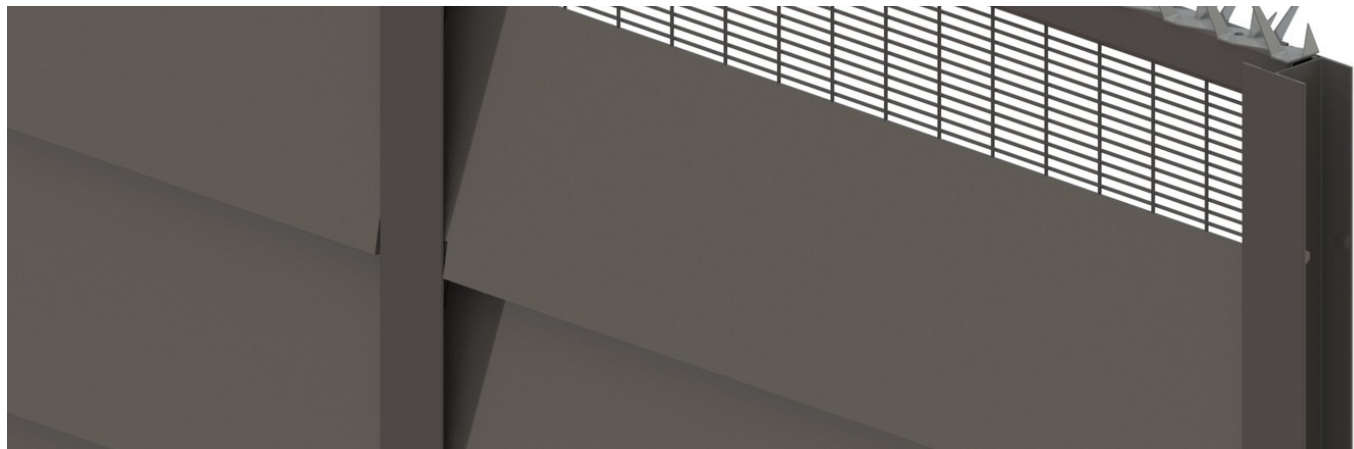
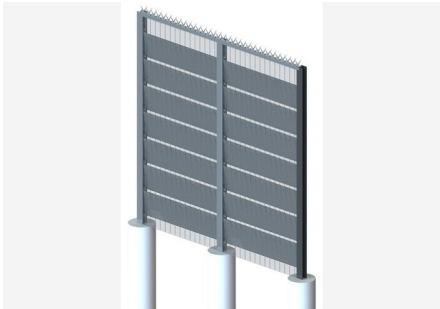
ASTM F2781-15 · A2.2

NON-CONDUCTIVE

10-YEAR WARRANTY

BALLISTIC RATED FENCE

UL 752 LEVEL	AMMUNITION TESTED	THICKNESS	WEIGHT
Level 1	9 mm FMJ, 124 gr	1/4 in	2.8 lb/ft²
Level 2	.357 magnum, 158 gr	5/16 in	3.7 lb/ft²
Level 3	.44 magnum, 240 gr	7/16 in	4.9 lb/ft²
Level 4	.30 caliber rifle, 180 gr	1-3/8 in	14 lb/ft²
Level 5	7.62 mm rifle, 150 gr	1-7/16 in	15 lb/ft²
Level 8	7.62 mm rifle, 150 gr x3	1-7/16 in	15.5 lb/ft²
Levels 6 & 7	9 mm multi-shot / 5.56 mm rifle	On request	On request



Ballistic panel line with a 358 mesh upper section and anti-climb top detail.

A fence line that stops rounds as well as people. Ballistic fiberglass panels are carried on the same post and clamp platform as SecureMesh, with a mesh upper section and an anti-climb top detail where the sightline has to stay open.

Panels are woven roving ballistic-grade fiberglass in a thermoset resin, compressed into rigid sheets that capture the projectile by controlled internal delamination.

Panels are manufactured to UL 752 Levels 1 through 8, with NIJ 0108.01 classifications where the level carries one. Levels 3 and 8 also hold an ASTM F1233 Class IV forced-entry rating, and a one-hour ASTM E119 fire rating is available by level.

Levels 6 and 7 cover the 9 mm multi-shot and 5.56 mm rifle threats and are available on the same platform. Custom panel sizes on request.

TELL US THE ROUND

UL 752 levels are not a simple ladder — Level 6 covers a multi-shot handgun threat and sits between the rifle levels. Tell us the round and we will size the panel.

UL 752 LEVELS 1-8

NIJ 0108.01

10-YEAR WARRANTY



BLACK SECURITY PRODUCTS



SECURE WHAT MATTERS MOST.

Black Security Products designs and manufactures high-security perimeter protection systems for military installations, government facilities, data centers, utilities and critical infrastructure worldwide — with an emphasis on anti-terrorism and force protection.

PERIMETER SECURITY PRODUCT FAMILY

ACTIVE VEHICLE BARRIERS

Anti-Ram Crash Gates — AVBD 230/231/250/251
Bi-Folding Speed Gate — AVBD 210
Shallow Wedge M50 P1 — AVBD 452
Extra Shallow Wedge — AVBD 451ES
M50 Drop Arm — AVBD 551/552
M30 P1 Drop Arm — AVBD 531
Defender Net Barrier — AVBD 651

PASSIVE VEHICLE BARRIERS

Drill-and-Set Bollard — AVBD 331
Crash-Rated Bollards — AVBD 300
Cable Barrier M30 — AVBD 131/132
Cable Barrier M50 — AVBD 151/152
Post & Beam — AVBD 951
Rapid Deployment MPPD — AVBD 700

SECURITY FENCING

SecurePale™ Palisade — AVBD 1101
SecureMesh™ — AVBD 1001
SecureMesh™ Integrated PVB — AVBD 1002
SecureMesh™ Delay — AVBD 1003
ENC Non-Conductive — AVBD 1200
Ballistic Rated Fence — AVBD 1300

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PROCUREMENT

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Talk to a BSP perimeter specialist about your project.

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