2010 STRUCTURAL ARMOR SYSTEMS

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SAFARILAND Together, We Save Lives.
The risks in today’s world call for protection against some of the harshest ballistic, blast and fragmentation threats. As a world leader in hard-armor technology, PROTECH® is rapidly becoming the single-source provider of security solutions for military, nuclear and government agencies. Using only the most advanced materials and engineering, PROTECH® offers standard and custom structures to provide unsurpassed protection no matter what’s demanded. From armored fighting positions and gun towers to fully protected turret systems, PROTECH® offers ballistic and blast protection on any level.

The PROTECH® team stands ready to meet all of your ballistic, blast and fragmentation protection requirements.

- More than 30 years of ballistic design and technology experience
- Brodest range of solutions for any small-arms ballistic threat
- Comprehensive blast analysis capabilities
- Products manufactured using only the highest-quality and most-advanced ballistic materials and steels
- Exclusive PROTECH® ARMOR-LOK™ protection
- Quality Control - ISO 9001:2008 certified
- AWS-certified welders
- Independent certification of all ballistic materials used in manufacturing
- Four state-of-the-art ballistic testing ranges
- Pre-fabricated turn-key solutions
- Custom designs to meet any requirement
- On-site support
- Proven past performance serving the global military, nuclear, law-enforcement and government communities
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PROTECH®’s Blast and Ballistic Resistant Enclosures (BRE®) are turn-key solutions delivered pre-fabricated to your site.

Each BRE® is produced to meet specific levels of ballistic and blast-resistant criteria, offering the highest level of occupant survivability. While PROTECH® is most recognized for producing systems to meet individual site requirements, standard off-the-shelf configurations are also available.

Our exclusive ARMOR-LOK™ design offers seamless 360-degree protection to all areas of every structure including windows, doors and gunport systems.

ARMOR-LOK™ is a design feature that incorporates protection to all vulnerable areas of a system including the seams where armor panels meet, gaps in the corners of a structure and seams between window and wall junctions. Any vulnerable or perceived weak area is enhanced with custom fabricated mullions, overlaps or additional armor pieces to afford COMPLETE ballistic protection. For PROTECH®, compromise is not an option.

GUARD BOOTHES

- All levels of ballistic protection featuring ARMOR-LOK™
- Blast and fragmentation protection
- Multi-layer “no-spall” or “low-spall” transparent armor
- Ballistic- and blast-resistant gun ports and window systems
- All-welded construction
- Chemical, biological, radiological and nuclear (CBRN) filtration systems
- Fully engineered HVAC systems
- High-performance coatings
- Electrical systems to meet any requirement
- Customized interiors
- Standard units or custom-designed to meet specifications
- Restrooms available
- Conduit-penetration protection
- Exterior lighting systems
GUARD TOWERS

Offering the same features as BREs®, these units are fixed on pedestals and tower systems for elevated security.

- All levels of ballistic protection featuring ARMOR-LOK™
- Fully engineered, blast-and hurricane-rated tower designs
- 360-degree seamless protection
- Constructed with structural steel components
- Galvanized stair systems
- Prefabricated towers
- Optional catwalks and shooting stations
GUNNER SHIELDS & PROTECTION KITS

- Ballistic Protection: 7.62mm to .50 APM2
- Fragmentation: Data available upon request

**Interface: Gunner Shield**

- Functions with M-2, M-240, M-249 and MK-19 weapons (Optional Dillon Aero M134D)
- The Gunner Protection Kit (GPK) provides increased gunner protection for almost a full 360-degrees
- Defeats fragmentation and ballistic threats. Available in 7.62mm and .50 APM2 protection levels.

**PROTECH**

Available with optional 360-degree traversing systems—gunner protection kits, gunner shields and weapon mounts.

Featuring integrated systems for use with weapons from the M240 and .50 BMG to the Dillon (minigun) M134D. An industry first.

**WEAPON MOUNTS**
**FEATURES**

- Assault rifle protection
- Improvised Explosive Devices (IED) protection
- 360-degree ballistic and blast protection
- Can meet cargo size requirements of the C-130 aircraft
- Night-vision compatible transparent armor
- High hard ballistic steel armor (Mil-Spec where required)
- Gunports
- 100-amp breaker panel
- A/C heat unit available (Mil-Spec available)
- Custom sizes and configurations available
- Weight: 7,000 lbs. (may vary based on desired protection level)
- Mil-Spec, 3kw generator (optional)
Armored Fighting Positions (AFPs) are designed for checkpoint and perimeter security and Force Protection/Anti-Terrorism applications.

All units feature PROTECH®’s exclusive ARMOR-LOK™ design with complete ballistic and fragmentation protection in overlaps, seams and gun port areas.

Only pre-qualified ballistic steel is used in every product. Lightweight composite solutions are available for weight-sensitive requirements.

AFP

- Ballistic and fragmentation protection
- ARMOR-LOK™ design
- Lifting lugs for ease of installation
- Durable, textured finish with high-performance coatings
- Gunports

APPLICATIONS INCLUDE

- Vital asset protection
- Checkpoint security
- Perimeter protection
- Fixed fighting locations
- Supplemental guard house security
- Replacement of sandbags and concrete structures

CUSTOM AFP

The PROTECH® engineering and design team is ready to address all of your ballistic and security concerns. We will develop the system that works for you.
MODULAR ARMOR KIT

The Modular Armor Kit (MAK) is designed for security applications such as checkpoint and perimeter security and Anti-Terrorism/Force Protection requirements. The MAK’s unique five-sided design protects the occupant from various fields of fire, including overhead protection.

PALLETIZED KITS

- Ballistic and fragmentation protection
- Optimal field of fire with sliding gun ports
- Easy to assemble and transport
- Assault rifle version can be assembled by a four-man team
- Higher protection levels, such as 7.62AP or higher, offer lifting lugs for forklift-assisted assembly
- Fragmentation blanket on entrance side provides additional coverage against Improvised Explosive Devices (IED)

The assault rifle version provides ballistic protection against:

- 7.62mmX51 M80 Ball, the National Institute of Justice, (NIJ) Level III;
- 7.62mmX39 PS Ball, Steel Core
- Improvised Explosive Devices (IED)
- DM51 Fragmentation Grenade

PROTECH®’s modular kits provide detailed instructions for ease of assembly. Each unit is delivered unassembled and can be erected on site. Palletized kits are ideal for temporary or permanent perimeter, check point or facility security. These units can also be assembled on towers for elevated applications.

PROTECH® will work with you to develop the system that meets your ballistic, fragmentation and security concerns. As certain units may require unique features and sizes, our engineering team can design systems to fit within existing infrastructure. Contact a PROTECH® representative for more information.
BLAST AND FRAGMENTATION PROTECTION

PROTECH® provides comprehensive blast analyses to determine the safe standoff distances for a wide range of explosive threats.

- Threats ranging from 100 to 10,000 pounds of TNT have been analyzed, including the likelihood of occupant survivability and response capability.
- Analyses are designed and provided such that the occupant not only survives an attack, but is able to respond after the attack.
- Safe Standoff Distances (SSD) are provided ensuring the structure meets the required protection when a given standoff is employed.
- Analyses are available for installation tie-down considerations and tower use.
- Accomplished live satchel charge testing is also available.
- Fragment Simulated Projectile (FSP) Protection

BALLISTIC PROTECTION

HANDGUN THREATS

<table>
<thead>
<tr>
<th>Caliber</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.357 Magnum</td>
<td>Suitably chambered revolvers</td>
</tr>
<tr>
<td>9MM</td>
<td>Any pistol marked 9x19, 9MM Luger, or any other synonym, UZI, MP5</td>
</tr>
<tr>
<td>.44MM Magnum</td>
<td>Suitably chambered revolvers</td>
</tr>
</tbody>
</table>

RIFLE & ASSAULT RIFLE THREATS

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<tr>
<th>Caliber</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>5.45x39</td>
<td>AK-74, AN-94, AK-101/103/105</td>
</tr>
<tr>
<td>5.56x45 M193</td>
<td>M16, AR-15</td>
</tr>
<tr>
<td>5.56x45 SS109 (M855)</td>
<td>M16, AR-15</td>
</tr>
<tr>
<td>7.62x39 M1943 Type PS Ball/Type 56</td>
<td>AK-47, SKS, Type 56 Rifles</td>
</tr>
<tr>
<td>7.62x39 AP-I-BZ</td>
<td>AK-47, SKS, Type 56 Rifles</td>
</tr>
<tr>
<td>7.62x51</td>
<td>M14, G3 L4, MG3, M60 Machine Guns</td>
</tr>
<tr>
<td>7.62x54R</td>
<td>SVD (Dragunov), DP, DT, RP-46, SG-43, SGM &amp; PK Machine Gun</td>
</tr>
<tr>
<td>7.62x63 (.30-06) AP M2</td>
<td>US Springfield M1903, M1 Garand, Enfield &amp; Browning M1917</td>
</tr>
<tr>
<td>.50 BALL M2</td>
<td>Browning M2 &amp; M2HB Machine Guns, M85, Barrett, Harris, CIS 50MG</td>
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US & INTERNATIONAL STANDARDS

<table>
<thead>
<tr>
<th>Standard/Agency</th>
<th>Standards</th>
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<tbody>
<tr>
<td>National Institute of Justice (NIJ)</td>
<td>IIA, II, IIIA, III, IV</td>
</tr>
<tr>
<td>Underwriters Laboratories (UL)</td>
<td>1, 2, 3, 4, 5, 6, 7, 8, Shotgun (Supplemental)</td>
</tr>
<tr>
<td>Advanced Society of Testing Materials (ASTM)</td>
<td>9mm, .44 Mag, .38 Super, 7.62mm, .30-06 AP, 12-ga.</td>
</tr>
<tr>
<td>DIN 52.290</td>
<td>1, 2, 3, 4, 5</td>
</tr>
<tr>
<td>EN 1063</td>
<td>B1, B2, B3, B4, B5, B6, B7, SG1, SG2</td>
</tr>
</tbody>
</table>
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Survivability
Revolver chambering:
- .357 Magnum
- 9mm
- .44 Magnum

Suitably chambered revolvers:
- .44 Magnum
- .38 Super
- 7.62x39
- .30-06 AP
- .50 AP

Ballistics protection:
- Type PS
- Type V
- Type 56
- AP-I-BZ
- M2
- B1
- B2
- B3

National Institute of Justice (NIJ):
- IIA
- IIIA
- III
- IV

Underwriters Laboratories (UL):
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

Advanced Society of Testing Materials (ASTM):
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- .44 Mag
- 7.62mm
- .30-06 AP
- 12-ga.

DIN 52.290:
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EN 1063:
- B1
- B2
- B3
- B4
- B5
- B6
- B7
- SG1
- SG2

Safe Standoff Distances (SSD) ensure structure meets protection requirements when employed.

Analyses are designed to ensure occupant response after an attack.

Live satchel charge testing is available.

Fragment Simulated Projectile (FSP) protection is available.

Provides comprehensive blast analyses to determine the safe standoff distances for a wide range of explosive threats. Threats ranging from 100 to 10,000 pounds of TNT have been analyzed, including the likelihood of occupant survivability and response capability.