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Level 4 Body Armor | Spartan Armor Systems
Spartan Armor Systems ceramic/composite plate carrier packages with armor are NIJ certified and built for lightweight convenience, mobility and common handgun threat protection. For those who require low ballistic protection and high maneuverability, the pre-configured armor plate carrier packages are the perfect base for

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your kit.

Bulletproof Body Armor Plates & Vests for Sale - Infidel

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Ceramic Armor. If money is no object, ceramic armor can stop some pretty extreme bullets, like the fast M193 and M2AP (30.06 armor-piercing).

Composite/Ceramic Body Armor - Spartan Armor Systems

Ceramic armor technology continues to advance with better threat protection characteristics, which is reflected in a more expensive configuration. Keep in mind that the higher price of ceramic body armor offers key

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advantages, including a lightweight yet durable profile. Price is just one attribute to consider when comparing ceramic and steel body armor, and Spartan Armor Systems offers exceptional value on all of our armor packages.

Ceramic Armor Components | CoorsTek

Ceramic armor is armor used by armored vehicles and in personal armor for its attenuative properties. Ceramics provide projectile resistance through their high hardness and compressive strength and are often used in applications where weight is a limiting factor due to their lightweight nature relative to metals commonly used in armors.

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Armor Tile, Ceramic Armor, Plate Armor, High Performance Lightweight Materials for Composite Armor Systems

Ceramic armor - Wikipedia

Ceramic-composite armor systems were first designed to defeat lead-core bullets and later armor-piercing (AP), kinetic energy projectiles. The years since 1985 saw the increasing use of composites in ballistic armor (ceramics and/or fibers) to protect against small arms ammunition (rifle, up to 12.7 × 99 mm) as well as larger calibers (from

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14.5-mm autocannon).

Ceramic Armor - an overview | ScienceDirect Topics

This volume includes the latest achievements in the area of ceramic armor systems including ceramic armor design and modeling, ceramic armor materials and composites development and manufacturing, physical properties and structures of armor ceramics, fracture mechanisms of armor ceramics and composites, and ballistic testing and performance of ceramic armor systems.

Level IV Spartan Body Armor Multi Hit Rifle Ceramic Body Armor

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Spartan Armor Systems is a ballistic body armor manufacturer and tactical gear supplier that works with a wide variety of clientele in the United States. We work with law enforcement, military personnel, first responders and civilians to provide quality threat protection at an affordable price.

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Level IV Multi Hit Ceramic Rifle Rated Body Armor Plates. Spartan Armor Systems NIJ 0101.06 certified Level IV Rifle Plate is an cost effective and economical Plate designed to withstand rugged usage while not compromising the ballistic integrity of the plate.

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applied on the front side of the ceramic – glass fibre laminates are preferably used for this purpose. CERAMIC POLYMER ARMOR SYSTEMS Each component within the composite system has a specific function. The hard ceramic layer reduces the speed of the projectile and micronises the pro-jectile. The resulting low mass and the significantly

Ceramic vs. Steel Body Armor ... - Spartan Armor Systems

This volume includes the latest achievements in the area

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of ceramic armor systems including ceramic armor design and modeling, ceramic armor materials and composites development and manufacturing, physical properties and structures of armor ceramics, fracture mechanisms of armor ceramics and composites, and ballistic testing and performance of ceramic armor systems.

Ceramic Armor – Materials, Properties and Uses

The Level III armor is designed with premium quality, mil-spec hardened AR-500 steel, treated to withstand NIJ ballistic threats and also mitigate rust, spall, and shrapnel. We also have Kevlar Hybrid level IIIa and Multi-hit Composite Ceramic Level IV ESAPI plates, which are

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better than the older Interceptor Body Armor.

Armor Tile, Ceramic Armor, Plate Armor, High Performance ...

Spartan Armor Systems NIJ 0101.06 certified Level IV Rifle Plate is designed to withstand rugged usage while not compromising the ballistic integrity of the plate. It is multi-hit .30-06 M2AP tested by an NIJ certified laboratory and can defeat between 5-7 M2AP rounds.

Ceramic Materials for light-weight Ceramic Polymer Armor ...

The ballistic protection applications of the ceramic armor include transport aircraft armor protection, land vehicles

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armor protection, AC-130U gunships armor protection, helicopter armor protection, and body armor (XSAPI, ESAPI, SAPI for military and police protection).

Spartan Armor Systems - Body Armor, Ballistic Plates ...
CoorsTek produces ceramic armor components used as the ballistic armor strikeface of lightweight composite armor systems. CeraShield™ ceramics work with appropriate backing systems to neutralize various ballistic threats including armor-piercing rounds and IED shrapnel.

Ceramic Body Armor - Spartan Armor Systems
Eugene Medvedovski is the editor of Ceramic Armor and

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Armor Systems II: Proceedings of the 107th Annual Meeting of The American Ceramic Society, Baltimore, Maryland, USA 2005, published by Wiley.

Composite/Ceramic Body Armor Packages | Spartan Armor

Ceramic/ composite armor plates are placed in body armor plate carriers and worn to protect against bullets, projectiles, fragmentation/shrapnel and stab threats. Composite armor plates are lighter, thicker and more flexible than steel plates. Most ceramic/ composite body armor plates cannot withstand multiple hits to the same area.

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Ceramic Armor And Armor Systems

Level IV Multi Hit Rifle Ceramic Body Armor plates use a monolithic piece of ceramic that can produce small cracks throughout the body armor plate when hit by an M2AP round. These small cracks can drastically decrease the integrity of the plate and reduce its chances of defeating multiple rounds.

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