



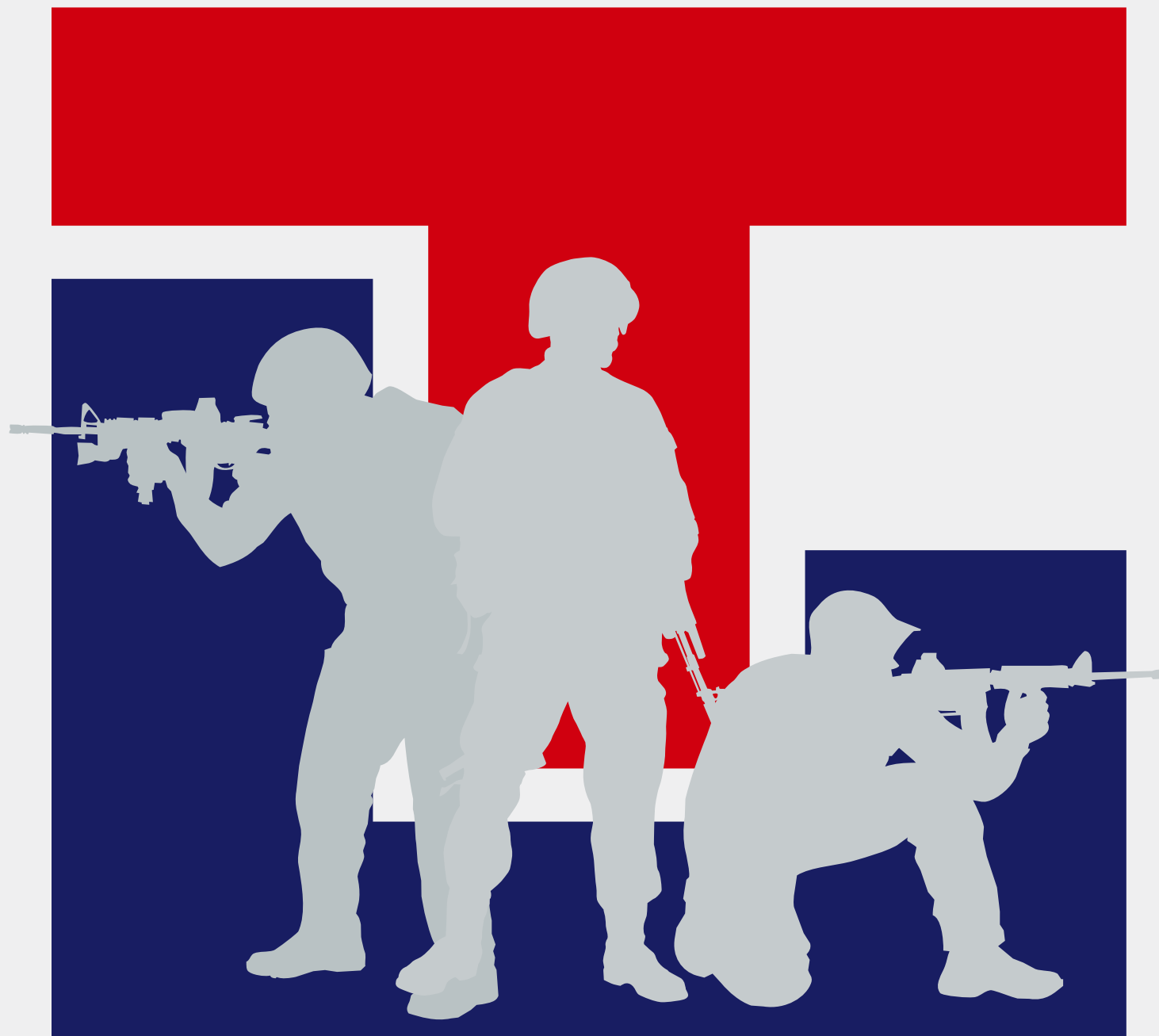
***Life Guard Ballistic Expert
Solution Provider for Armors***

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Life Guard Ballistic Expert Solution Provider for Armors

LiTai Armor

Company Overview

- Established: 2003
- Type: Private Military & Police Equipment Manufacturer
- Infrastructure: 3 factories with 300 employees
- Capacity: Top-tier production capabilities

Quality Control & Testing

- Certifications: ISO and SGS accredited
- QC Team: Dedicated 20-person quality control team
- End-to-End Oversight: Full control from raw materials to final production
- Ballistic Testing: 0.1% of products randomly tested in-house
- Standards: Exceeding international testing benchmarks

Research & Development

- Investment: 10%-15% of annual revenue allocated to R&D
- Facilities: Advanced labs for physical and chemical testing
- Expert Team: 11 PhDs and 8 Masters
- Collaborations: Strong partnerships with universities and research institutions
- Global Projects: Actively involved in internal and international R&D initiatives







Sales & Customer Service

- Team: Dedicated, independent sales and service team
- Global Reach: Operating in 30+ countries and regions
- Experience: Over 22 years of global sales expertise
- Network: Seamlessly synchronized international operations



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ARMOUR-PLATE	Vehicle Helicopter Fleet Air-craft	



Maximum Protection
From Light-Tough

HARD ARMOR PLATE



LiTai Armor Plate designed for police, military and law enforcement officers, is used for upgrading bulletproof vest to defeat high velocity rifle threats. We combines LiTai Armor Ballistic Ceramics as strike-face material with UHMWPE or Aramid as backing. LiTai Plate protect your chest, back, lateral, groin and so on from bullets penetration. We manufacturer has reached an annual capability of 1.2 Million pieces of bulletproof plates in the country.

ALUMINA CERAMIC PLATE

OVERVIEW

Alumina plate combines high hardness Alumina Ceramic with ultra high molecular organic material under special composite technology and elastic structure. Warranty 5-8 years.

COMMON SIZE

250mm x 300mm (10" x 12")
200mm x 250mm (8" x 10")
150mm x 200mm (6" x 8")
150mm x 150mm (6" x 6")

CURVATURE

Single Curve
Multi Curve

OUTER FINISH

Fabric Coated Covering
Polyurea Sprayed

PROTECTION LEVEL

NIJ0101.04/06 Level III/IV
NIJ0101.07 RF1/RF2/RF3

BULLETS STOP

7.62x51mm M80 NATO
7.62x39mm AK47 MSC
5.56x45mm SS109/M193

7.62x54
7.62X54R API
7.62x63mm M2 AP



UHMWPE PLATE

OVERVIEW

High performance UHMWPE UD material, advanced composite technology. Light weight, high and stable ballistic performance



COMMON SIZE

260 x 325mm (10.2" x 12.8")
250 x 300mm (10" x 12")
200 x 250mm (8" x 10")
150 x 200mm (6" x 8")

CURVATURE

Single Curve
Multi Curve

OUTER FINISH

Fabric Coated Covering
Polyurea Sprayed

PROTECTION LEVEL

NIJ0101.04/06 Level III
NIJ0101.07 RF1

BULLETS STOP

7.62x51mm M80 NATO
7.62x39mm AK47 MSC
5.56x45mm M193

SIC CERAMIC PLATE

OVERVIEW

SiC plate combines high hardness SiC Ceramic with ultra high molecular organic material under special composite technology and elastic structure. Light weight, cost effective and stable ballistic performance. Warranty 5-8 years.



COMMON SIZE

250mm x 300mm (10" x 12")
200mm x 250mm (8" x 10")
150mm x 200mm (6" x 8")
150mm x 150mm (6" x 6")

CURVATURE

Single Curve
Multi Curve

OUTER FINISH

Fabric Coated Covering
Polyurea Sprayed

PROTECTION LEVEL

NIJ0101.04/06 Level III/IV
NIJ0101.07 RF1/RF2/RF3
(Can be In Conjunction With Level IIIA Vest or Soft Armor Panel)

BULLETS STOP

7.62x51mm M80 NATO
7.62x39mm AK47 MSC
5.56x45mm SS109/M193

7.62x54
7.62X54R API
7.62x63mm M2 AP

B4C CERAMIC PLATE

OVERVIEW

Boron carbide ceramic plate, world's most lightweight ceramic matrix composite production.



COMMON SIZE

260 x 325mm (10.2" x 12.8")
250 x 300mm (10" x 12")

CURVATURE

Multi Curve

OUTER FINISH

Fabric Coated Covering
Polyurea Sprayed

PROTECTION LEVEL

NIJ0101.04/06 Level III/IV
NIJ0101.07 RF1/RF2/RF3

BULLETS STOP

7.62x51mm M80 NATO
7.62x39mm AK47 MSC
5.56x45mm SS109/M193

7.62x54
7.62X54R API
7.62x63mm M2 AP

MONOLITHIC CERAMIC PLATE

OVERVIEW

Monolithic Ceramic Plate, conducts advanced monolithic SiC or B4C with ultra high molecular organic material under special composite technology and elastic structure. It not only provides greater protection area but also higher ballistic performance. The overall design is ergonomic providing more protection area with more comfortable application.



COMMON SIZE

ESAPI
260 x 325mm (10.2" x 12.8")
250 x 300mm (10" x 12")

CURVATURE

Single Curve
Multi Curve

OUTER FINISH

Fabric Coated Covering
Polyurea Sprayed

PROTECTION LEVEL

NIJ0101.04/06 Level III/IV
NIJ0101.07 RF1/RF2/RF3
(Can be In Conjunction With Level IIIA Vest or Soft Armor Panel)

BULLETS STOP

7.62x51mm M80 NATO
7.62x39mm AK47 MSC
5.56x45mm SS109/M193

7.62x54
7.62X54R API
7.62x63mm M2 AP

BULLETPROOF VEST

LiTai Armor Bulletproof Vest designed for police, military and law enforcement personnel, provides level IIIA(3A) protection to stop almost handgun rounds to a .44 Magnum. We have used advanced fabrics and high-quality small armor insert to ensure maximum protection and comfort. Multi-protections like stab-resistance are also our concern and new-designing in the vest.



**UNIVERSAL MODEL
FDF-01**

- > Constructed on 600 denier durable water repellent (DWR) nylon or polyester
- > Available for all NIJ 0101.04/06 ballistic standard systems
- > NIJ LEVEL IIIA, to stop 9mm FMJ RN and .44 Magnum
- > Fits standard shape ballistic panels
- > Elastic side closure
- > Easy to wear and off
- > Concealed crotch guard
- > Front and back external plate pockets, accommodates 250x300 hard armor plates
- > Adjustable internal cummerbund for flexibility
- > Outer carrier can be customized design
- > Add removable Groin protection part
- > For patches, Logo, ID and etc optional velcro



**CONCEALABLE TYPE
FDF-A039**



- > Special inner wear, fit human body, comfortable fabric.
- > The waist can be adjusted according to the body shape
- > The top layer of bulletproof vest is made of TC fabric, and the inner layer is made of mesh fabric, which ensures the comfort and air permeability of users for a long times
- > Adjustable side closure design
- > Washable outer covers
- > Flexible girth and height adjustment
- > Adjustable internal cummerbund for flexibility
- > Concealable and can be used under coat and suit
- > NIJ LEVEL IIIA, to stop 9mm FMJ RN and .44 Magnum

**FULL PROTECTION STYLE
FDF-A040**



FEATURES

- > Constructed on 1000 denier durable water repellent (DWR) Nylon
- > Available for all NIJ 0101.04 certified ballistic systems
- > Fits standard shape ballistic panels
- > Elastic side closure
- > Removable back and front ID patches
- > MOLLE - style webbing, front and back to accommodate all compatible pouches
- > Drag Strap
- > Front and back external plate pockets, accommodates 250x300 hard armor plates
- > Adjustable internal cummerbund for flexibility
- > Removable Neck, Arm and Groin protection part

GUARANTEE PERIOD

- The ballistic vest is expected to preserve its conformity with the specifications for a period of at least 7 years during storage from the date of delivery, provided that:
- > The product is stored under dry conditions at normal ambient temperature
 - > The product has not been subjected to peak temperature exceeding 70°C
 - > The product is protected against long term direct exposure to sunlight



BALLISTIC HELMET

A bulletproof helmet is a body protective product that protects the head from bullet or explosive fragments. It has the advantages of light weight, bulletproof and stable safety performance, and the internal suspension system is carefully designed according to tactical purposes, easy to wear and good adaptive performance. External use of imported environmental protection polyurea paint, corrosion resistance, UV protection, waterproof and flame retardant.



PASGT/M88

- > Aramid /UHMWPE
- > Black/MB Green/Coyote/
- > Polyurea Spray or Painting
- > Size:M,L,XL Weight:1.30-1.65kg
- > NIJ0106.01 IAW NIJ0108.01 IIIA
- > 5M Shooting Distance
- > 4-5 shots
- > 9mm FMJ RN ; .44 Magnum SJHP
- > V50 ballistic test according to STANAG 2920, 17 grain: ≥ 650 m/sec



MICH2000

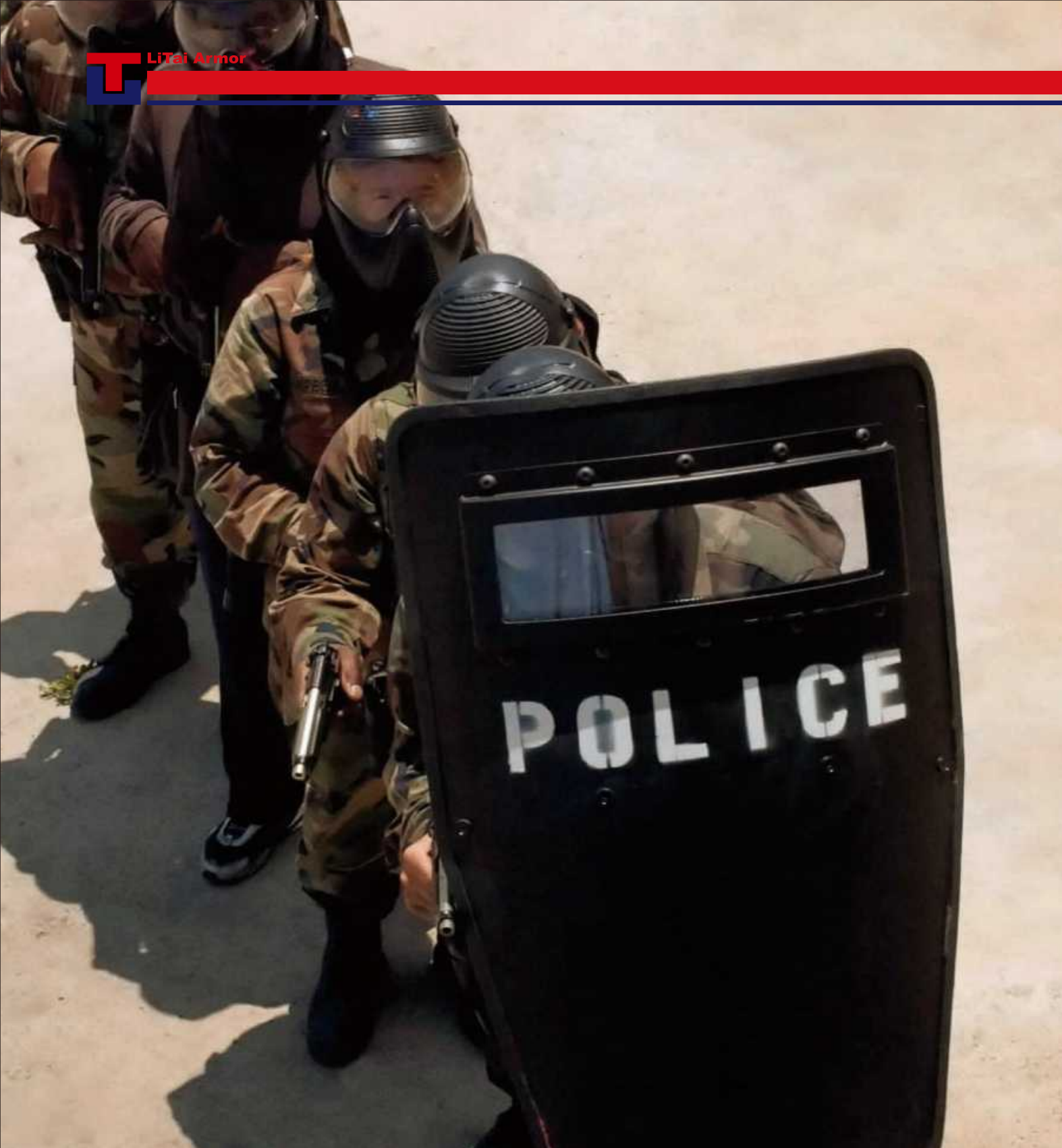
- > Aramid / UHMWPE
- > Black/MB Green/Coyote/
- > Polyurea Spray or Painting
- > Size:S,M,LXL Weight: 1.30-1.70kg
- > Side rail,NVG, Velcro, Elastic cord
- > NIJ0106.01IIIAW NIJ0108.01IIIA
- > 5M Shooting Distance
- > 4-5 shots
- > 9mm FMJ RN ; .44 Magnum SJHP
- > V50 ballistic test according to STANAG 2920, 17 grain: ≥ 650 m/sec



HIGH CUT (FAST)

- > Aramid /UHMWPE
- > Black/MB Green/Coyote/
- > Polyurea Spray or Painting
- > Size:L,XL Weight:1.45-1.65kg
- > Side rail,NVG, Velcro, Elastic cord
- > NIJ0106.01 II IAW NIJ0108.01 IIIA
- > 5M Shooting Distance
- > 4-5 shots
- > 9mm FMJ RN ; .44 Magnum SJHP
- > V50 ballistic test according to STANAG 2920, 17 grain: ≥ 650 m/sec

Maximum Protection
From Light-Tough



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From Light-Tough



LiTai Armor Shields provide protection for a tactical squad in a live fire scenario. Developed in concert with Chinese teams. Our LiTai police shields are made with LiTai Armor technology. LiTai offers the lightest weight composite technology available for a Level IIIA shield. To be able to expand the ballistic Level, LiTai develops the ceramic shield which provides higher ballistic performance and stops armor piercing bullets.

BULLETPROOF SHIELD



The handle Level IIIA LiTai Armor Shield has excellent function of anti-stab, strike resistant, flame retardant, light weight, strong adaptability, easy to carry, flexibility and large protective area. It can be used by police and body guard. The shield can stop 9mm and .44 Magnum caliber.

Level III and Level IV LiTai Armor Shield, not only can stop pistol shots, but also can protect human body from rifle firing. They also can be installed in a wheel lift which can be easily move when policeman or soldiers have tough situations.



LiTai Armor Ballistic Ceramics with high hardness, low density and porosity, is practiced in manufacturing protective plate, shield, armor vehicle and security house. LiTai is specialized in the complete process of developing and manufacturing ballistic ceramic in accordance with strict ballistic standards.

BALLISTIC CERAMIC



Boron Carbide Ceramic (LiTai B4C)

Boron carbide ceramic, the third hardest material known to the Earth, offers lighter-weight than Aluminum oxide and Silicon carbide. Shapes can be rectangle, hexagonal, cylinder etc ...



Properties
Density: 2.50-2.90/cm³
Hardness: ≥2800 kgf/mm²
Vickers Hardness: ≥29 Gpa
Flexural Strength: ≥380 Mpa
Elastic Modulus: ≥380 Gpa
Fracture Toughness: 4.0 Mpa m^{1/2}

Reaction Sintering Silicon Carbide Ceramic (RS SiCC)

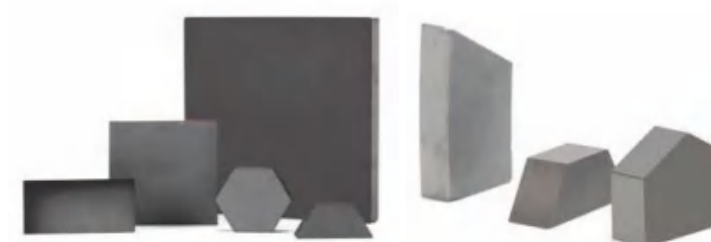
LiTai RS SiCC materials offer excellent strength resistance, high modulus and high sonic velocity. They can be molded to a great variety of shapes and size. For example, monolithic plates of 10" x 12" .



Properties
Density: 3.04-3.07g/cm³ (3.05 average)
Vickers Hardness: ≥21.5 Gpa
Flexural Strength: ≥320 Mpa
Compressive Strength: ≥2500 Mpa
Elastic Modulus: ≥380 Gpa
Fracture Toughness: 3.3 Mpa m^{1/2}

Pressureless-Sintering Silicon Carbide Ceramic (DS-SiCC)

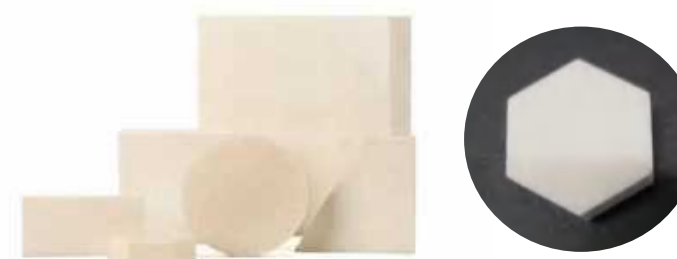
LiTai DS-SiCC is a pressureless, sintered form of silicon carbide materials with a density greater than 98 percent theoretical. Our direct-sintered SiC offers better performance advantages on high hardness, light-weight, high strength and design flexibility.



Properties
Density: ≥3.10g/cm³
Hardness: ≥2600 kgf/mm²
Vickers Hardness: ≥24 Gpa
Flexural Strength: ≥350 Mpa
Compressive Strength: ≥2700 Mpa
Elastic Modulus: ≥400 Gpa
Fracture Toughness: 3.0 Mpa m^{1/2}

Aluminum Oxide Ceramic (Alumina Ceramic, Al2O3 Ceramic)

Our Aluminum oxide products are the hardest and most rigid of common oxide ceramics. It weighs less than half of most metal alloys, 40 percent as much as steel and it is the cheapest among all kinds of ballistic ceramics.



Properties
Density: 3.88-3.92g/cm³
Flexural Strength: ≥300 Mpa
Compressive Strength: ≥2200 Mpa
Elastic Modulus: ≥380 Gpa
Fracture Toughness: 3 Mpa m^{1/2}



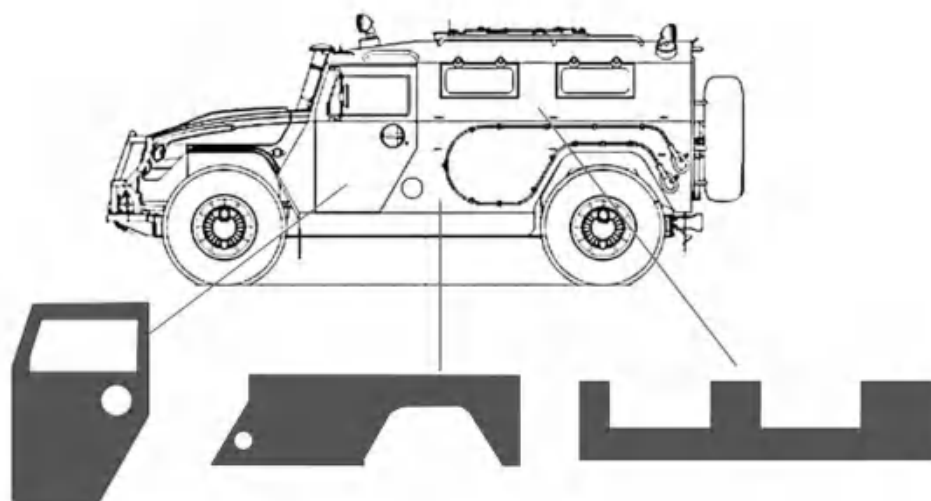
ARMOUR PLATFORM SYSTEM



We Zhejiang Light-Tough Composite Materials Co., Ltd., also provides a wide variety of protection systems to suit the Ammunition / Missile Threaten from LAND, SEA and AIR.

Our Strengths :

- > Raw materials self-supplying, LiTai Armor Ceramics and Fabrics
- > Matured Ceramic processing and cutting technics, especially in B4C drilling
- > LiTai Armor variety of armor production processes and composite process
- > Customized survivability solutions, deep Ballistic knowledge
- > Multiple and strict QC Standards in each steps
- > International R&D Team guaranteed
- > Gained ISO9001:2015, with Accredited Manufacturing Facilities



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