

World's Finest Bulletproof Systems



Soft Bulletproof Car Armor Panels with Ballistic Protection in accordance with Standards

**** USA NIJ STD 0101.06 Level IIIA / RUSSIA GOST 34286-2017 Br1****

Ballistic Protection against Handgun calibers .380 ACP, 9mm, .357 Magnum, .357 SIG, 40 S&W, .45 Cal hollow point, 44 Magnum

“Life is Valuable, Protect it”

Before use this Bulletproof Material carefully read user's manual

Dear Customer,

Thank you for purchasing Tanus Armor Premier Bulletproof Soft Panels!

The Bulletproof system you just acquired represents one of the **“World’s Finest Bulletproof Materials”** you can have.

This bulletproof system integrates the best technological means available with military know-how. Our Bulletproof system is designed by a multidisciplinary team of experts in military material engineering, ballistics, physics, risk analysis and battlefield research.

Made of a combination of perfectly interlaced multi-functional fibers, Non-Newtonian Adhesives, and polymer technology to turn multiple ballistic materials into a single system. **WE DO NOT EVER USE RISKY CHINESE BALLISTIC MATERIALS IN THE MANUFACTURE OF OUR PRODUCTS**

Soft Armored panels bonded with no seams and fixated with ballistic adhesives to keep the integrity of materials weave and to improve ballistic performance of millions of fibers that act as one instead of act independently.

Our Soft Ballistic Panels were certified and ballistically tested in Russia under supervision and regulation of the federal service for military-technical cooperation (FSMTC) and Tested in National Institute of Justice (NIJ) certified Ballistic laboratories in the USA.

This Soft Bulletproof Panel was:

- ✓ Manufactured in accordance with Standards NIJ III-A 0101.06 / NIJ 0115.00 / GOST 34286-2017
- ✓ Made with state-of-the-art ballistic materials with military grade and extremely low weight.
- ✓ Created by ballistic experts and perfected through study and experience gained in real battlefields on critical security countries where TANUS ARMOR GROUP have presence.
- ✓ Designed for protection against the most powerful handgun attacks.

On behalf Tanus Armor Group, I really hope we have fulfilled all your expectations.

Sincerely,

Angel Tanus.
TANUS ARMOR GROUP

*Tanus Armor is a registered trademark owned by TANUS ARMOR GROUP S. de R.L.

TANAR ULTRA-FLEX HYBRID CAR ARMORING BALLISTIC PANEL / SPEC SHEET



Model: TANAR ULTRA-FLEX HYBRID

Threat type, equivalent to standards

- RUSSIAN FEDERATION GOST 34286-2017 Br1
- USA National Institute of Justice Standard 0101.06 Level IIIA

Multi-Hit Capacity

Ballistic protection against calibers

- .380 ACP, 9mm, .357 Magnum, .357 SIG, .40 S&W, .45 Cal hollow point, 44 Mag

Ballistic Panel care instructions

- **Never** disassemble or extract from car to keep its ballistic performance integrity.
- **Avoid** contact with water.
- **When store Avoid** exposure to direct sunlight.
- **When store Avoid** high temperature exposure.
- **When store Avoid** extreme cold exposure.
- **When store Avoid** placing heavy objects on top.
- **Avoid** cleaning with chemical products.
- **Clean** with a slightly damp cloth.
- **Dry** using a dry cloth.

Safety Instructions

- Always install according to the user's manual and product label indications.
- This armored soft panel is rated only for the ballistic threat protection level listed in this sheet.
- This armored soft panel is NOT intended to protect against rifle fire or sharp-edged or pointed instruments.

Ballistic Panel Construction

- Hybrid Construction UHMWPE / ARAMID / STFBA (BALLISTIC ADHESIVES)
- Multi-layer construction with ultra-thin ballistic materials for better flexibility
- Optimized poldirectional layers set for a better transmission, reflection and absorption of Kinetic energy produced by the bullet when it hits.

To maintain the flexibility for a better, more fast and easy installation, this ballistic panel system was made without hard components, with an exclusive construction of ballistic materials and Sheer Thickening Fluid Ballistic Adhesives that also improve panel multi-hit capacity.

Ballistic Material Expiration Date

*From 5 to 7 years

(*Depending on climate, temperature, and humidity where its use takes place)

Composition

Aramid fabric
Non-Newtonian Reactive Ballistic Gel
Mass (Minimum): 5.6
Thickness: 5.0 +/- 0.15
Weight: CONFIDENTIAL INFORMATION
Width / Length: 1.53 / 2.00
Maximum Ballistic Protection Level: IIIA / 44 Magnum, 240 grain, SWCGC, 1400 +/- 50 ft/s

Unique Technical Features

FLEXIBLE MATERIAL WITHOUT MEMORY

Something that many armored vehicle builders omit is that the panels that require heating for installation have memory, so once installed they tend to regain hardness, causing the piece to stop adjusting perfectly over time.

THERMO-REACTIVE

The plasto-elastic reactive properties of the TANARFLEX automotive hybrid armor panels provide unmatched advantages thanks to their composition of non-Newtonian ballistic fluids, reactive to the impact of bullets which significantly improves the elastomeric performance against the shear stress of the bullet at the time of its impact, increasing the panel's ability to absorb energy and maintain the cohesion of its layers without significant delamination when receiving subsequent shots.

LIGHTWEIGHT AND 10 TIMES STRONGER THAN SIMILAR WEIGHT STEEL

DOES NOT REQUIRE HIGH TEMPERATURE BEFORE INSTALLATION

- ✓ Greater installation agility, generating savings for shielding companies.
- ✓ Because it is a soft and flexible panel, it is easy to install on surfaces with very complex curves.

ZERO DEGRADATION OF THE MATERIAL AS IT DOES NOT REQUIRE PREHEATING

It is well known that aramid loses a percentage of its ballistic performance when exposed to heat, as it does not require pre-heating, our soft ballistic panel keeps the original ballistic capabilities of Aramid intact.

One of the disadvantages of traditional ballistic panels that require preheating for conditioning before installation is the delamination and molecular degradation produced by preheating, which also occurs in a non-uniform manner, affecting 100% of the material irregularly and to different degrees. and degradation zones.

Comparative analysis of the properties of high-performance ballistic fibers that can be obtained from published literature show that Aramid materials lose approximately 25% of their strength when exposed to heat.

ZERO DE-LAMINATION DURING INSTALLATION AND LIFETIME

Zero detachment between the layers of the ballistic panel, something that often happens when a part is shaped for application on irregular vehicle surfaces.

Zero DE-LAMINATION avoids loose of ballistic performance of the material by keeping the structure and unity of the components.

TANARFLEX automotive hybrid armor panels guarantee 0 delamination during their installation and useful life, the non-Newtonian ballistic gel with which they are manufactured does not change from elastomeric state to liquid nor does it harden with environmental conditions, preventing it from changing its structure and stop "fitting" where it was installed, the non-Newtonian gel only increases in viscosity upon receiving the high-energy impact of the bullet.

OPTIMAL FOR INSTALLATION WITH RIVETS AND/OR ADHESIVES

TANARFLEX automotive hybrid armor panels are designed to be installed with adhesives and/or rivets, allowing for a stronger, more uniform attachment over a larger surface area.

MATERIAL EASY TO CUT

Thanks to their flexibility, TANARFLEX automotive hybrid armor panels are easy to cut, even with fabric cutters to obtain precise and symmetrical cuts of pieces without fraying at the edges.

BALLISTIC PANEL CERTIFIED BY THE FEDERAL SERVICE FOR MILITARY-TECHNICAL COOPERATION



GOST-R
ЦЕНТР СЕРТИФИКАЦИИ
RUSSIA



The Russian FSMTС is a government body that exercises control and supervision in accordance with the legislation of the Russian Federation:

- for the implementation of activities in the field of military-technical cooperation of federal executive bodies, executive bodies of the constituent entities of the Russian Federation, Russian organizations that have received, in the prescribed manner, the right to carry out foreign trade activities in relation to military products, organizations: developers and manufacturers of military products to the regulatory legal acts of the Russian Federation and the main directions of state policy in the field of military-technical cooperation, the requirements of legislation of the Russian Federation on export control in the supply of military products;
- for the implementation of the basic principles of state policy in the field of military-technical cooperation, including state monopoly.
- the effectiveness of the functioning of the state regulation system in the field of military-technical cooperation.
- on the application of international treaties of the Russian Federation in the field of military-technical cooperation.
- for activities in the field of military-technical cooperation of representative offices of military-technical cooperation issues in the Russian Federation and in foreign countries, as well as other organizations.
- for marketing, advertising, publicity, and exhibition activities in military-technical cooperation.
- for the level of foreign trade prices of exported (imported) military products, considering the protection of the economic interests of the Russian Federation.



Unprecedented Bullet Stopping Power. Our Armored Garments Set New Standards in Ballistic Efficiency Properties in Transfer and Dissipation of Energy when they Stop a Bullet.

Our bulletproof panels have been Ballistically Tested in the United States of America by certified Laboratories by the National Institute of Justice as well in the Russian Federation under the GOST-R Standard. (The World's toughest and most difficult standard to pass with the smallest BFS Trauma Allowed).

This armored garment provides ballistic protection according to GOST- 34286-2017 and NIJ III-A (NIJ 0101.06). against calibers of small arms:

AMERICAN

.380 ACP, 9mm, 357 Magnum , 357 SIG, 40 S&W, 45 Cal hollow point , 44 Magnum

RUSSIAN

Makarov "PM"; 9mm, Nagan 7.62; Lead, "PSM" 5.45; Steel, Tokarev "TT" 7.62; Steel



TANUS ARMOR



IMPORTANT INFORMATION TO CONSIDER

Understanding how a Soft Bulletproof Panel works

Most advanced, Military Grade, lightweight and flexible materials available were used to make this high-end ballistic Soft Panel. Ex-Army engineers from the Russian Army collaborated with our engineers at TANUS ARMOR GROUP Bulletproof & Ballistic Textile Research Facility to develop the most protective bullet-resistant systems possible while keeping it as flexible and lightweight as they can.

This bulletproof soft panel is comprised of extraordinarily strong non-woven and/or woven fibers. The material will stop a bullet similar to how a net will stop a tennis ball or volleyball. It causes the bullet to turn, slow it down and send its energy through the whole panel.

When a bullet strikes our bulletproof panels, the kinetic energy quickly dissipates across the armor. The faster this occurs, the bulletproof vehicle suffers less damage.

Our bulletproof panel system contains several ballistic material layers that consist of highly specialized and extraordinarily strong fibers. This ballistic fabric is very effective at stopping bullets. It slows them down while turning them to the side so the full force is dispersed across the panel. This specialized fabric more easily disperses the force coming in from mushrooming handgun rounds.

A bullet-resistant Armored Panel System is more likely to stop handgun bullets that travel more slowly. However, high-velocity rounds coming in from long rifles firing hard-tipped bullets will pierce right through a soft armor protective bulletproof panel.

The Reality about bulletproof Vehicles

Always consider that bulletproof vehicles rated for handguns can provide effective protection against fire gun attacks, but will exist an extremely small percentage of cases, in where a bullet can get through a bulletproof vehicle that's been rated to any ballistic protection level if the bullet have more grain load, a serrated edge or something like it.

As you see, there's much you did not know about bulletproof vehicles and their ballistic materials, and you can also see why it's vitally important for every person with potential risks of life-threatening attacks, to acquire professional build bulletproof vehicles. **"Use yours today and go home tonight."**



www.tanusarmor.com

www.tass.org.mx

DISCLAIMER: Our products are for self-defense and should not replace safe behavior. Any modification, lack of maintenance, and poor care of our garments and personal protection articles as well as the ballistic material panels that compose them, may affect the ballistic protection and / or the protection against puncturing and sharp-edged weapons that they were created for. Do not reuse any bulletproof or stab proof clothing if you have received a bullet attack or sharp-cutting weapon attack, or if the garment has been subject to strike level forces with a firearm, bar impacts or other objects, punctures, perforations, lacerations, scrapes, tears, cuts and all kinds of wear and degradation, including normal wear and tear. Our bulletproof garments and / or with protection against puncturing and sharp-edged weapons require care and maintenance, the owner and/or users assumes that the ballistic protection and / or the protection against knives and puncture weapons can be affected by a poor care and lack of maintenance of this garment, as well as wear, aging and tear over time. TANUS ARMOR GROUP S. de R.L. de C.V. shall not be liable for any physical damage, whether direct, indirect, special, or consequential, accidental, involuntary or otherwise, arising from the use of this garment. Any use of this garment is done at own risk and responsibility of the users. While this body armor offers a great deal of protection, it can't protect against every possible threat, in very rare instances, a bullet can penetrate an armored garment that, according to their rating, should have been stopped. You are fully responsible about your own safety by acting responsibly. By using this garment, the users agree that they have read this disclaimer and accept the terms of this notice. Tanus Armor is a registered trademark owned by TANUS ARMOR GROUP S. de R.L. de C.V. The customer declares that; When buying products from Tanus Armor Group S. de R.L. de C.V. through any of the company sales channels on Ebay, www.tanusarmor.com, printed brochures, virtual and physical stores, the economic resources used for payment are from legal origin and that the intended use of the items to be purchased is only for legal purposes unrelated to criminal activities and outlaws. Upon making a purchase, the buyer exempts Tanus Armor Group S. de R.L. of C.V. of any legal liability arising from the delivery of erroneous, false, inaccurate information provided by the buyer, as well as the illegal use that the buyer may give to the products purchased. By buying any of our products, the buyers agree that they have read this disclaimer and accept the terms of this notice. (This Body Armor is NOT resistant to attacks with rifles, knives and other sharp objects if you did not request multi-Threat protection in the construction of your armored garment.). Designs and technical specifications of this product can change without notice.