

BALLISTIC GLASS



GLASSEK



PRODUCTS

AUTOMOTIVE GLASS

- **Laminated glass:** manufactured with a combination of crystal and plastic materials intended for replacing the original glass in passenger or commercial vehicles.
- **Armored Glass:** produced with a combination of crystal and plastic materials – which include Polycarbonate, Polyurethane and anti-splinters. Glassek produces ballistic glass products in a variety of levels of protection for installation in commercial, passenger, and military vehicles. All of them are in compliance to the International Standards of Ballistic Resistance (NIJ 0108, 01 DIN 52290, among others).

Glassek ballistic glass products maintain the same optical and aesthetical quality as well as functionality (radio antennas, defroster, telephonic signals, global positioning systems (GPS), etc.) of the original automotive glass.

LEVEL	THICKNESS	AMMUNITION	TYPE OF WEAPON	PROJECTILE COMPOSITION
I	13-14 mm	.22 .32 7.65 .38 .380 9 mm	Revolvers, Pistols, Sub-machine guns	9mm: FJ(2)/RN/SC
II	16-19 mm	10mm .45 ACP .40 S&W .357 Magnum	Revolvers, Pistols, Sub-machine guns	.357 Magnum: JSP
III	21-24 mm	.44 Magnum	Revolver	.44 Magnum: SJ/SP/FN
IV	31-34 mm	7.62 PS Ball	AK-47	7.62 x 39 mm: FJ(1)/PB/SCP3
V	39-42 mm	7.62 NATO 5.56 NATO	M-60/M-14 M-16A2/AR-15 FAMAS/FN FNC	5.56 x 45 mm: FJ(2)/PB/SCP1

FJ(1): Full steel jacket (plated)

FJ(2): Full copper alloy jacket

SJ: Semi copper alloy jacket

RN: Round nose bullet

SP: Soft point

PB: Pointed bullet

SC: Soft core (lead)

SCP1: Soft core (lead) with steel penetrator (type M855 or SS109)

SCP3: Soft core (lead) with steel penetrator (type PS)

FN: Flat nose bullet

ABOUT US

Established in 2004 by a group of specialists with over 18 years of combined experience in automotive armoring, design and production of ballistic glass, Glassek S.A. takes pride in being a Colombian company dedicated to manufacturing state of the art ballistic glass for automotive, architectural, and special applications.

Due to our experience we are able to understand in depth the requirements of our clients and adjust to them developing, therefore, high quality ballistic glass that is designed to fit the customer's specific needs.

Our products preserve the original characteristics and functionality of each automotive model, as well as the design of architectural works.

In our production facility, based in Bogotá, Colombia, we possess all the required infrastructure and cutting edge technology necessary to design and manufacture world-quality ballistic glass for both local and international markets.



ARCHITECTURAL GLASS

Glassek's product goal is, ultimately, to maintain the original architectural design. To achieve our purpose, all developments are exclusively adjusted to each project requirements in accordance to our clients' needs.

- Acoustic Laminated Glass: acts as a barrier to isolate external noise.
- Thermal Laminated Glass: protects the premises against weather effects
- Anti-vandalism Laminated Glass: offers protection against impacts produced by hammers, bricks, axes, etc. elements commonly used in cases of robbery and/or vandalism. Also, provides ideal protection for offices, homes, commercial display cases, etc.
- Fire-Resistant or Fire Retardant Laminated Glass: avoids the propagation of fire, ensuring a safe and timely evacuation from the premises.
- Ballistic Glass: offers individualized protection against a wide array of ammunition calibers, depending on the level of protection needed by the customer. Our client base includes banks, prisons, military premises, high-profile public persons, etc.

SPECIALIZED GLASS

- Marine Laminated Glass: specifically designed for eliminating the adherence of the water to glass, in order to increase visibility while boating. It provides, as well, thermal protection to decrease weather effects in the interiors of vessels.
- Anti-hurricane Laminated Glass: due to its composition, when this type of glass is broken it tends to remain adhered to the frames so it may ultimately minimize the risk of injury. Provides excellent protection for access doors and windows in homes, offices, schools, airports, hotels, etc.



GLASSEK ADVANTAGES

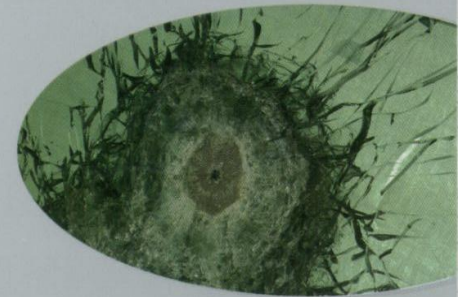
- ▶ Consistent superior optical quality.
- ▶ Usage of vitrified paints to maintain integrity of original glass.
- ▶ Multi-functionality with radio antennas, GPS, defroster, telephonic signals, etc.
- ▶ Excellent brilliant finishes.
- ▶ Perfect assembly into vehicles.
- ▶ Complete quality guarantee, thanks to strict selection of premium raw materials and independent control of craftsmanship during each phase of production.
- ▶ Wide range of models and agile development of new designs according to customers' requirements.
- ▶ Product development in compliance with international standards DIN 52290 and NIJ 0108,01, among others.
- ▶ International quality control guarantee (in process of obtaining certifications for quality systems ISO/TS 16949 : 2002 and ISO 14001:1996.)
- ▶ Glass certified by National Highway Safety Traffic Administration through award of DOT 800, which guarantees that our product fulfills security requisites as established by the US Department of Transportation and is, therefore, approved for exportation.
- ▶ In compliance with requisites predetermined by independent certifying entities (Indumil, H.P. White Laboratories).

QUALITY CONTROL

Our process of production is supervised under the strictest quality standards. Each stage of the process is monitored by our technicians with the purpose of guaranteeing a final product with superior characteristics and performance.

Finished product is subjected to rigorous optical testing. Each one of the pieces, without exception, is qualified by quadrille and zebra methods to assure their quality.

Raw materials are stored under specific conditions to assure their properties and optimum performance as they are used.





GLASSEK

— Vidrio Blindado, Automotriz y Arquitectónico

CONTACT US

If you require more information about our products, please contact us by filling this form, send us an e-mail to info@glassek.com or call our offices at the following telephone numbers:

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