

# BALLISTIC PROTECTION ARMOR - LEVEL IIIA

Panels in dimensions of up to 4m<sup>2</sup> or in pre-cut parts according to the client's design.

**TECHNICAL NAME** Aramid Opaque Armor - **8 layers**

**PROTECTION LEVEL** III-A

**COMPLIANCE WITH REQUIREMENTS, STANDARDS AND APPROVAL**

- ORDINANCE No. 94 - COLOG, OF AUGUST 16, 2019
- ORDINANCE No. 189-EME, OF AUGUST 18, 2020
- ABNT NBR 15000-2:2020
- ABNT NBR 15000:2005
- US National Institute of Justice - NIJ 0108.01

**RAW MATERIAL**

- Fabric made from Aramid Synthetic Fiber
- Polymeric Adhesive

**ESPECIFICAÇÃO**

- Product Controlled by the Brazilian Army (PCE), approved according to the highest national standards, such as ABNT NBR 15000: 2020 and its requirements, and in compliance with NIJ STD 0108.01 of the US National Institute of Justice.
- Made of multiple layers of synthetic Aramid fabric, interspersed with polymer film, which provides greater lightness, flexibility and high performance.

**FINISHING** Materials may include polymeric textile treatments to add protection, waterproofing and durability.

**CHARACTERISTICS**

- **Density of Opaque Ballistic Composite (Kg/m<sup>2</sup>):** 4.170 Kg/m<sup>2</sup> ± 5%
- **Opaque Ballistic Composite Thickness:** 4 ± 5% mm
- **V50:** Greater than 482 m/s - 9mm Luger FMJ 124 grains - Evaluation Method: ABNT NBR 15000-3 or MIL STD 662F

**PROPER USE**

- Opaque armor and/or similar, always applied as a «backing», with the adhesive and the metal surface «facing».
- Panels are manufactured in dimensions of up to 4m<sup>2</sup> or in pre-cut parts according to the client's design. Each part must be installed precisely according to the project specifications.

**INSTALLATION**

- Evenly apply PU adhesive specific for armor, on the entire face of the part in direct contact with the vehicle bodywork. It is **recommended to use DUPONT® Polyurethane Adhesive BETASEAL U418PB 600ml.**

**CARE AND HANDLING**

- Avoid folds and wrinkles
- Do not wet
- Do not heat

**CARE AND STORAGE**

- Dry and ventilated environment
- No direct contact with UVA and UVB rays



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+55 (11) 9 9528-8404

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