

## Ballistic protection Type III

Ballistic protection Type III armour, according to NIJ Standard-0101.06, shall be tested in a conditioned state with 7.62 mm FMJ, steel jacketed bullets (U.S. Military designation M80) with a specified mass of 9.6 g (147 gr) and a velocity of 847 m/s  $\pm$  9.1 m/s (2780 ft/s  $\pm$  30 ft/s).

Fire resistance according to EN 13987-7:2000 and flame resistance according to FED-STD-191 Standard, method 5905.1.

The ballistic plates withstand, without prejudice of their ballistic protection properties, temperatures between -51°C and +71°C and submersion in salt water for a minimum period of 3 hours in 1 meter in depth.

The Ballistic Plates have high resistance to corrosion caused by diesel, gasoline, motor oil, hydraulic fluids, JP-8 aviation fuel, oil for cleaning and maintenance of weapons, insect repellent and facial paint.



These rigid plates take in consideration new developments in different areas, namely multiscale materials and auxetic structures with high energy absorption.

The ballistic plates are covered with 10 years guarantee.

Properties	Obtained Values
Weight (g/m <sup>2</sup> )	18000
Mass per volume (kg/m <sup>3</sup> )	957
Thickness (mm)	19