

## Ballistic protection Type IV

Ballistic protection Type IV armour, according to NIJ Standard-0101.06, shall be tested in a conditioned state with .30 caliber armour piercing (AP) bullets (U.S. Military designation M2 AP) with a specified mass of 10.8 g (166 gr) and a velocity of 878 m/s  $\pm$  9.1 m/s (2880 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> )	40000
Mass per volume (kg/m <sup>3</sup> )	1200
Thickness (mm)	28