

## TECHNICAL DATASHEET composite material

### Product characteristics:

The product is a lightweight composite anti-ballistic sheet, designed to provide protection from bullets and shrapnel's.

### Material fulfils:

EN 1522/1523 Level FB 4

### Available Sizes:

Standard size: 2.445 mm x 1.255 mm x 11,4 mm

Max. size: on request

### Field of applications:

- Security Doors and Windows
- Government and Municipalities
- Armored Vehicles
- Financial Institutions
- Armored Containers
- Shooting Ranges
- Guard Shacks
- Bullet-proof Walls
- Schools and Universities
- Field Hospitals
- Mobile Command Units
- Marine Applications

### Mechanical properties

	Value	Unit	Test method
Density	2,0	g/cm <sup>3</sup>	ISO 1183
Flexural strength $\perp$	120	MPa	ISO 178
Modulus of elasticity in flexion $\perp$	18500	MPa	ISO 178
Compressive strength $\perp$	480	MPa	ISO 604
Tensile strength II	280	MPa	ISO 527
Impact strength (IZOD, notched)	28	J/cm	D256

### Thermal properties

	Value	Unit	Test method
Flammability	V0	/	UL 94

$\perp$  = perpendicular to the lamination

II = parallel to the lamination

The data mentioned in this datasheet are average values ascertained by current statistical returns and tests. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.