

# Defender Ballistic Protection

A Modular System to Protect Against Small Caliber Projectiles



Modular flexibility and rapid deployment



# Defender Ballistic Protection

## Defender

Defender is a system of lightweight building panels which can be quickly deployed in the form of prefabricated units or as external cladding for an existing structure. Their modular nature allows them to be easily dismantled, stored and re-used multiple times. The panels offer fire protection as well as thermal and acoustic insulation allowing them to be used for accommodation purposes in addition to providing offices, control rooms and strategic warehousing. The sheet molding compound (SMC) outer layers can be provided with a variety of textures to help them blend into their surroundings or to create a more natural and pleasing appearance, especially useful when providing units for accommodation. They also allow the panels to be used or stored in the harshest of field conditions and the most inclement of weather.

The Defender system provides a high level of flexibility with the ability to incorporate additional layers. This allows the panels to offer a range of specialized capabilities:

- Blast Protection;
- Ballistic Protection;
- Antibacterial Protection;
- Fire Suppression;
- HPM Electromagnetic Shielding;
- Embedded or Conformal Antennas;
- Radar Absorption;
- RFID and Sensor Systems;
- Acoustic Sensors and Transmitters.

## Ballistic Protection

The Defender Ballistic Protection system provides protection, for both personnel and equipment, against fire from small arms and light weapons. The system provides protection against penetration by and spalling from 7.62 NATO and .50 BMG rounds.

The main characteristic of the Defender Ballistic Protection system is its versatility, obtained from a particular method of construction, which enables the use of different components to optimize its stopping capacity in relation to the level of expected threat.

## Applications

The flexibility of the Defender Ballistic Protection system makes it ideal for use in the following applications:

- Accommodation facilities for civilian contractors in low security or conflict zones;
- Military forward operating bases;
- Embassies and official residencies;
- Office buildings for government and public agencies;
- Secure headquarters and command and control centers for peacekeeping forces;
- Security control rooms and crisis management centers;
- Bunkers and panic rooms;
- Secure entry control points and watchtowers.



The system has been tested against calibers up to .50 BMG

## Pelta Protection Systems

Pelta Protection Systems is a joint venture between Ingegneria Dei Sistemi S.p.A. (IDS), which has over 30 years' experience of producing electromagnetic engineering solutions and services for both civil and defense applications, and Acell Industries Ltd. which has produced fire resistant foams and composite panels for building applications for over 25 years.

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