



# ULCA

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## Ultra Light Composite Armor

UHMW-PE ARMOR PANELS



**Defense Systems**  
Force Protection Experts

# About G.G. Defense Systems Ltd.

- Founded in 2007, our company offers solutions for various defense and HLS threats from blast mitigation to ballistic protection, from simple vandalism crimes to massive terrorist attacks.
- Our company provides solutions for complex protection applications, combining experience in force protection solutions and an extensive knowledge of materials and technologies.
- Our range of products and solutions comprise also light composite ballistic panels, personal protective plates and bullet-proof body armor.

## Our Clients



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## UHMW-PE Armor Panels

UHMW-PE Ballistic Resistant Panels manufactured by G.G. Defense Systems provide any facility with the latest in military and civil grade protection.

UHMW-PE Ballistic Resistant Panels are composed of multiple Polyethylene layers pressed by G.G. Defense System's proprietary knowledge that creates panels with exceptional ballistic resistance properties.

The unique composite matrix of the panels prevents penetration of projectiles and protects from potentially hazardous ballistic threats.

### Our Panels Offer the Following Benefits:

- Excellent ballistic resistance - NIJ-STD-0108.01- threat level III+
- Multiple hit capability (according to STANAG 4569)
- Robust structural strength- high durability.
- UV and salt water resistant.
- Weight- 15-20 Kg/Sqm, thickness-15-21 mm.
- Naturally buoyant.
- Corrosion resistant.
- Low thermal conductivity.
- Extremely lightweight (when compared to armor steel).



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## UHMW-PE Armor Panels

Utilized for indoor applications, panels can be easily incorporated into standard: vehicles, aircrafts and naval designs to provide concealed ballistic protection.

Panels can be installed on-site using commonly available tools. Surface finish is a smooth white color and can be primed and coated with polyester, rubber, nylon or other materials to meet specific requirements.





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