

ASPRO-P™

Passive Add-On Armor for Combat Vehicles



Reinforce vehicle protection ... Save lives on the battlefield

Benefits

- STANAG level 3, 4 or 5 protection
- Combat tested
- Lightweight and modular
- Meets environmental and safety standards
- Easy to install or remove by crew
- Maintenance free
- Anti-mine protection

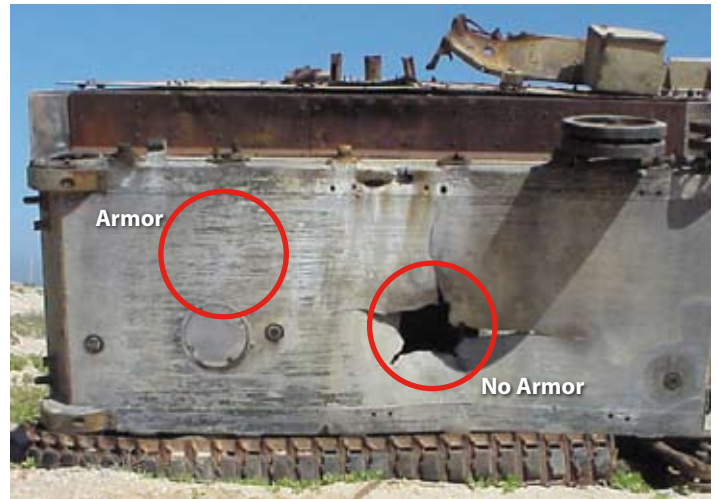
Easily Installed, Affordable Enhanced Protection

Designed to absorb energy of threats and prevent penetration, the ASPRO-P system add-on armor enhances protection against projectiles and artillery fragments. The modular, lightweight ASPRO-P system can be quickly installed or removed according to the mission, with minimal effect to vehicle maneuverability.

Passive Armor Meets Customers' Requirements

Rafael has developed and customized various types of passive armor technologies - ceramic, metallic and shaped, as well as laminated anti-mine configuration for combat vehicles according to customer needs. Operational in temperature extremes, the armor modules have been tested to ensure the protection level is not degraded after armor modules are subjected

to harsh environments. Combat proven, ASPRO-P's performance specifications meet NATO standards and the requirements of the Israel Defense Forces and the United States Army. These armor systems are used by numerous military forces including the U.S.M.C. in Iraq and Afghanistan as well as by peacekeeping missions in Somalia, former Yugoslavia, and East Timor.



Anti-Mine Armor

Rafael's anti-mine protection modules for the belly and the sponson are mounted onto the bottom of the vehicle. The anti-mine protection has a laminated configuration that absorbs the blast energy and prevents rupture of the vehicle belly or sponson.

The floating floor is made of absorbent materials and spall liners that protect against fragments or spall injuring the crew.

The seats, safety suspended or collapsible, significantly attenuate the acceleration affecting the crew when a mine is activated.

Technical Specifications

Ballistic protection STANAG level 4 or 5 protection	<ul style="list-style-type: none"> • Kinetic energy projectiles threats: 0.3 AP, 12.7 AP, 14.5 AP at 360° • High speed fragments of 155 mm artillery, mortar, roadside bombs, and IEDs
Environment and safety standards	<ul style="list-style-type: none"> • Meets environmental and safety conditions IAW MIL-PRF-70773 • Functions in high and low temperatures after drop, vibration, water immersion tests
STANAG level 3 anti-mine protection	<ul style="list-style-type: none"> • Up to 8 kg or 10 kg mine blast

EAAK ASPRO-P Variation

Rafael's Enhanced Appliqué Armor Kit (EAAK), a variation of ASPRO-P, designed for amphibious vehicles, was selected by the U.S. Marine Corps for the Assault Amphibious vehicle (AAV7), while retaining the vehicle's floating capability.

The ASPRO-P systems are combat proven, in use by the Israel Defense Forces, the armies of Italy, New Zealand, Korea, the Czech Republic, Poland and others.

60 Years of Innovative Solutions



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