

A.I.R.™ TECH

Modern criminals and terrorists are employing increasingly sophisticated tactics, often using explosive devices and person-borne IEDs as weapons of last resort. Traditional shields and armour systems will not protect against the damaging effects of close-in detonation of an explosive device, and can actually increase the chances of injury from secondary hazard. The revolutionary technology contained in Saleria A.I.R.™ products actively mitigates blast effects, preventing injury and enabling operators to survive and defeat the most hostile threats encountered in the contemporary operating environment.

FEATURES

- Hook and loop fitting system enables rapid attachment and removal in response to changing tactical situation.
- Use of applique confers no loss of base ballistic performance.
- Only technology to offer proven protection against the effects of high-explosive blast threats.
- Relative performance optimised for the most challenging extreme close-range threats.

TECHNICAL SPECIFICATION

- Lightweight at only 2lbs per square foot.
- Polyurea coated for increased durability and life.
- May be supplied with or without view port without compromising performance.



OPERATIONAL BENEFITS*

- Point-of-challenge detonation of a suicide device is likely to result in serious injury that traditional protective equipment cannot prevent.
- Operators equipped with a standard ballistic shield have a ten-times greater chance of sustaining severe chest injury, including blunt force trauma and rib fracture, than those using Saleria A.I.R.™ products.
- Similarly, forearm loading which would lead to a high probability of fracture with a standard shield is reduced by over 60% with A.I.R.™ technology.
- Traditional operators also carry a 38% chance of sustaining critical abdominal injury compared to less than 4% when protected by A.I.R.™ technology.
- In all cases the likelihood of remaining injury-free and capable of successfully prosecuting the mission is greatly increased when A.I.R.™ technology is used to defeat the blast threat.

TRAINING SYSTEMS

Occupational exposure to repeated low-level blast (breaching blast) is known to increase the likelihood of long-term blast-induced health issues**. By reducing the pressure dose imparted on troops under training Saleria A.I.R.™ products permit breaching teams to train harder for longer and achieve maximum preparedness without risking operators' long-term health.



"The potential for injury is substantial, and the difference in outcome [with A.I.R. Tech] is vast."

G. T. Desmoulin Ph.D.

*All benefits and injury reductions assessed against ¼" e-glass ballistic shield without blast applique.

**Relation of Repeated Low-Level Blast Exposure with Symptomology Similar to Concussion, Journal of Head Trauma Rehabilitation.