



SIMULA

Safety Systems
SEI Division

SAFETY EQUIPMENT INTERNATIONAL (SEI)
ISO 9001:2000 REGISTERED
PRODUCT SPECIFICS

BALLISTIC SURVIVAL ENSEMBLE

ULTRA-LIGHTWEIGHT SOFT BODY ARMOR ENSEMBLE

Functionality

Integration:

- Standard Emergency Survival Equipment with SEI's Low Profile Flotation Collars
- Hard Armor is quickly installed and removed
- Emergency lift capability
- Non-load-bearing carrier loop
- Integration of soft and hard body armor protective vest
- Accommodates SRU-40/HEED, HABD or equivalent

Design

- Low profile to reduce snag hazards
- Greater storage capacity
- Custom built pocket designs for group of or specific survival equipment
- Configurable to any mission profile

Sizing

- Custom body armor sizing

Materials

- Selected specifically for ease of maintenance and supportability

Flame Retardant

- Integrates fire retardant aramids

Weight

- Lighter weight than typical military survival vests with level III body armor



Comfort

- Easier adjustability
- Form fit
- Quick donning
- Less bulky
- Greater comfort
- Greater mobility & accessibility

Simula has conducted extensive development, testing, and optimization of Zylon® fabrics for protection against fragment, handgun, and small-arms projectiles. The ultra-lightweight soft body armor stemming from this research has proven capable of meeting the stringent NIJ III-A performance standards at an areal density of 0.71 lb/ft². Compared to other leading NIJ III-A vest designs, Simula's vest not only offers significantly lighter weight, but reduced blunt trauma, and a high V50 ballistic threshold.



(see table on reverse side)

Advantages

- Ultra-lightweight
- Innovative design architecture
- High flexibility level
- Low bulk
- Excellent cut resistance

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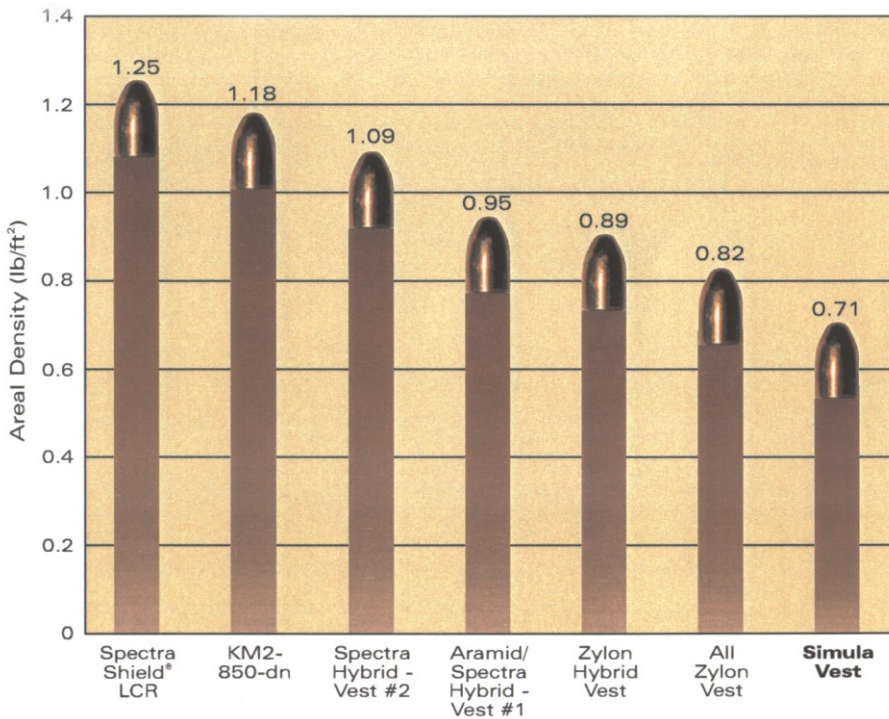
BALLISTIC SURVIVAL ENSEMBLE



Ultra-Lightweight

Simula has developed a new ultra lightweight soft body armor technology. A novel textile architecture combined with the new Zylon® fiber allows for significant weight reduction in soft body armor vests. The Simula soft body armor is 30% lighter than conventional vests which are near 1.0 lb/ft² and 13% lighter than the lightest Zylon® vest currently available in the commercial marketplace.

National Institute of Justice (NIJ) Level III-A Armors



Advantages

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Zylon® is a registered trademark of Toyobo Co., Ltd.
Spectra Shield® is a registered trademark of Allied Signal, Inc.

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