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# Armoured Aircrew Life Preserver

- Optional fully integrated single seater liferaft now available
- Various levels of lightweight ballistic protection
- Certified and approved by a number of international air forces
- Extensive customisation available









# AT THE FOREFRONT OF SURVIVAL TECHNOLOGY

The Survitec Group is your strategic partner in delivering and sustaining best value safety and survival solutions. Our mission is to provide unparalleled protection to our customer, enabling them to perform at their most efficient. With over 150 years in the marine, defence and aerospace industries, the Survitec Group has acquired unrivalled expertise and knowledge which we use to provide advanced, intelligent products to those customers who demand the best. Our quality control procedures and innovative designs ensure our products are the safest, most reliable and cutting-edge on the market.

The Survitec Armoured Aircrew Life Preserver, with optional integrated armour protection is designed to the highest UK MoD specification. Meeting the needs of both front crew (Mk61, Mk65) and rear crew (Mk60) within non fast jet, fixed and rotary wing aircraft, our Armoured Life Preserver incorporates unique design and advanced technology. A fully integrated product, which couples marine survival floatation with complete armoured torso protection, it is intended for use by international defence organisations and national MoD's. The Armoured Aircrew Life Preserver offers protection for aircrew deployed in hostile environments, without compromising comfort, movement or survival equipment storage, making it the ultimate defence under fire. Fully integrated and sanctioned for use on attack helicopters including Chinook, Apache, Lynx and Puma, the Survitec Armoured Aircrew Life Preserver has been successfully certified and approved by over 20 international Air Forces. It is currently under-going several further international trials.



## VEST - FRONT FEATURES

### Flotation assembly

- Slim, detachable stole with high visibility once inflated.
- Standard buoyancy 150N.
- High buoyancy up to 220N (optional).

### Whistle, Lanyard, Toggle and Buddy line

### Personal Survival Pack Lanyards

### Armour pocket as standard

### Stowed lifting becket

- Load carrying ability when required.

### MACS attachment system / Webbing

- Facilitates bespoke pocket configuration to suit individual preference or mission requirements.

### Storage

- Flexible large capacity pockets for survival aids e.g. Short-Term Air Supply System, beacon and ammunition.
- Replaceable components.

### PLB mounting facility (customer specific)

### Infra-red Reflection Capability

## VEST - REAR FEATURES

### Liferaft

Fully integrated back mounted single seater liferaft (Mk65).

### Armour

Armoured pocket is standard on rear crew (Mk60, Mk61).

### Enhanced material

- Military specification camouflage options.
- Inherently flame retardant.

### Waist belt and side adjustment

- Ensures excellent fit at all times.
- Additional sizes up to 6 available at customer request.





Mk60 shown in diagram

## OPTIONAL EXTRAS AND CUSTOMISATION AVAILABLE IN THE FOLLOWING AREAS.

### Strop Karabiner

- Allows attachment to strong point in aircraft.

### Armour

- Configurable with hard insert plates (ceramic or HMPE) and/or soft armoured panels.
- Front plate is concealed behind waistcoat on all variants.

### Webbing Harness

- Integral fall arrest harness removes need for additional 'dispatcher's belt'.
- Quick-release lanyard enables efficient release in survival situations.

### Crotch Strap/Leg restraint

- Supports aircraft 'fallout' retention.
- Supports aircraft ditching safety.

## CUSTOMISATION OPTIONS

Our dedicated customisation team is available during every step of the design process to help customers tailor our product to fit their individual requirements. This unique service ensures that we surpass our competitor's designs and guarantees we deliver a bespoke product to our discerning customer.

- Modular pockets can be easily attached and removed depending upon the mission requirements - providing versatility and efficient working practices.
- Unisex size roll ensures that the waistcoat fits comfortably on the wearer.
- Strops - Compatible aircraft strops are also available.

## Integrated Single Seater Liferaft

The new Mk65 Armoured Life Preserver offers the wearer a detachable 'back-mounted' single seater liferaft facility that has been specifically designed to replace the aircraft seat cushion when the aircraft is flown over water. This increases user operating envelope within the aircraft.

The single seater liferaft has an integrated design which implements wearer/aircraft dynamic to maximize user benefits.

- Unique design to reduce weight burden without compromising inflight operation.
- Reduced snagging potential.
- Single buoyancy chamber.
- Single layer floor.
- Single layer "full" body high visibility protective canopy.
- Low profile inflation system.



Operating pull hand/toggle



Integrated back-mounted liferaft



Detachable mechanism



Operating lanyard conduit



Single seater liferaft

# ARMoured BENEFITS

## Advanced, lightweight and customised protection.

With a number of tailored and customised levels of protection available the Survitec Armoured Aircrew Life Preserver is the only choice for armoured personnel.

- Ballistic protection available with soft armoured panels.
- Hard armoured insert plates with the ability to stop a 7.62mm full metal jacket AP.
- Contoured ballistic plates offer maximum protection while reducing overall product weight.
- Unique hard armoured insert plate design offers multi hit protection.
- Range of ballistic performance levels available to meet international standards including HOSDB (Home Office Scientific Development Branch), ISO 14876 and NIJ (National Institute of Justice) Standards.
- The floatation device, modular pockets and ballistic plates are all quick and easy to add/remove ensuring optimum mission flexibility over both land and sea.
- Compatible with an optional fragmentation vest for additional protection.

# KEY BENEFITS

## Survitec Armoured Aircrew Life Preservers ensure optimum aircrew performance and manoeuvrability.

- Armoured pockets are modular and can be tactically positioned for optimum performance.

- Detachable front and rear armoured ballistic protection (Mk60/61). Front only for Mk65.
- Lightweight waistcoat and low profile floatation device offers the wearer comfort, manoeuvrability and reduces aircrew burden.

## Provides great value for money

- Mission flexibility for use over land or sea operations due to a detachable slim-design floatation assembly.
- Complete flexibility from the modular/detachable system allowing waistcoats to be tailored to individual personnel.
- Simplifying logistics due to Survitec's advanced unisex sizing methodology.

## Advanced materials and construction

- Modular Attachment Carrier System (MACS) for flexible pocket positioning.
- Lifting beackets to aid emergency hoisting.
- Flame retardant materials.
- Robust stitching.

## Provides peace of mind

- State of the art equipment supplied to world-class programs in collaboration with world-leading protection firms.
- 'Duty-of-care' assured through extensive human physiology and product testing.
- Quality assurance for product and service guaranteed through 90+ years experience and expertise.

# TECHNICAL INFORMATION

<b>Available Colour</b>	DPM, (disruptive pattern material) Sage Green or Desert
<b>Operational Temperature Range (°C)</b>	-20 to +70
<b>Buoyancy Rating (N)</b>	150N buoyancy high-visibility stole optional 275N buoyancy
<b>Freeboard (mm)</b>	100 mm minimum (Calm Water Conditions)
<b>Self-Righting (seconds)</b>	5 (All Water Conditions)
<b>Approximate Weight (KG)</b>	2
<b>Inflation Mechanisms</b>	Manual inflation with oral top up, light and battery facility
<b>Ballistic/Armour Protection</b>	Anatomically designed hard (ceramic plates or High Modulus Polyethylene, HMPE) armoured  Can be coupled with soft Kevlar armoured protection  Armoured plates slot into front and rear pockets.
<b>NSN Numbers</b>	Available on Request

\* Values vary on application and end user variables.

\* Values displayed are without armoured plates.