SCANFIBER COMPOSITES A/S

Air Applications

Scanfiber Composites A/S

Scanfiber Composites A/S is a company with many years of experience in ballistic protection. Scanfiber develops and manufactures light weight armour solutions based on sophisticated fibre composition. Our comprehensive competence and experience place us among the leaders in the ballistic armour business worldwide. With state-of-the-art production equipment and a large stock of raw materials, Scanfiber offers flexibility and the ability of very quick changeovers and thus solving urgent tasks for fast deliveries.

Scanfiber stands for superior security and our products save lives.

Air Applications

Upgrading of helicopters and other aircrafts with belly and pilot seat protection is crucial, when the aircrafts are operating in war zones. Especially during take-off and landing the aircrafts are exposed to kinetic threats from small and medium sized calibers. Therefore, every added kilo is critical and the lightest type of armour is preferred in order to protect personnel from ground fire.

By choosing Scanfiber's composite solutions instead of traditional ballistic armouring, such as steel, the aircraft will retain its inherent features in terms of maneuverability, pay load capacity, fuel consumption and operation radius, less tear and wear on engine.

Air Applications

Scanguard Pilot Seat Protection

- Integrated around the cabin seat
- Easy installation at seats with integrated seatbelts
- Keeping all seat functionalities operable
- Comfortable and easy entrance and exit

Technical Specifications:

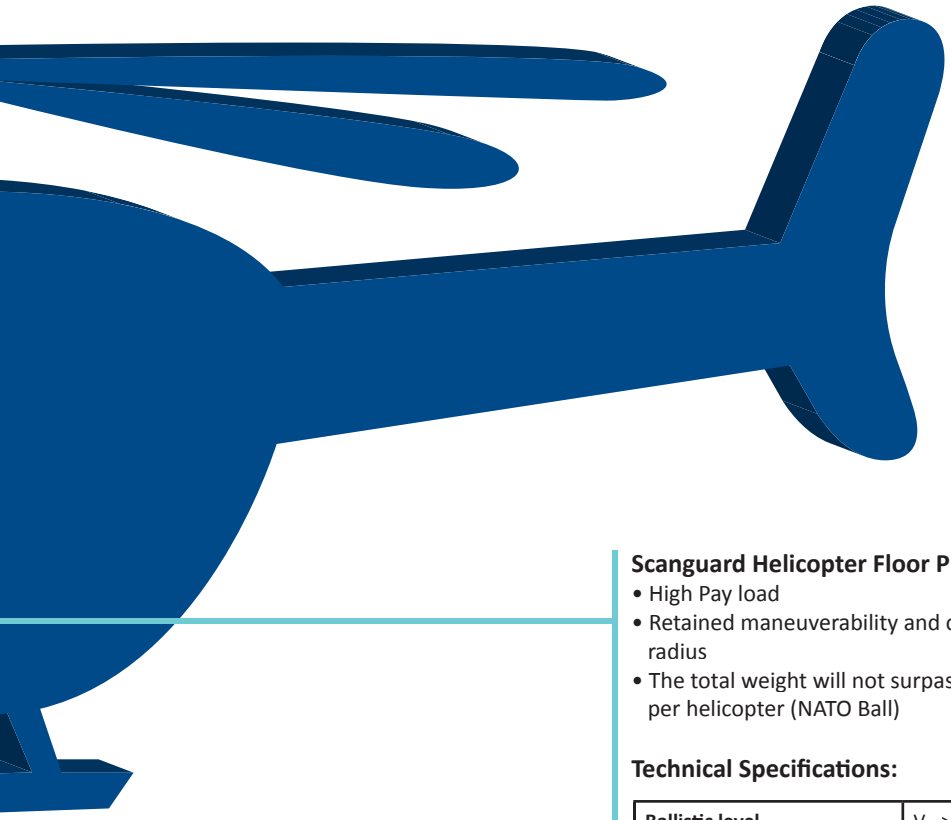
Ballistic level	V_{50} > 1280 m/sec for 1,1g FSP according to NATO STANAG 2920
Material	Polyethylene
Dimensions	530 x 510 x 950 mm (W x L x H)
Surface	The seat is covered with an Urea coat and can be painted in all RAL colors.

Scanguard Non Ballistic Security Shield

- Makes sure that the pulley-system doesn't get caught in any gaps of the aircraft

Technical Specifications:

Material	A solution of Aramide and Carbon Fibres
Dimensions	Custom fitted



Scanguard Helicopter Floor Protection

- High Pay load
- Retained maneuverability and operational radius
- The total weight will not surpass 100 kg per helicopter (NATO Ball)

Technical Specifications:

Ballistic level	V_{50} > 1280 m/sec for 1,1g FSP according to NATO STANAG 2920
Material	Polyethylene
Dimensions	Custom fitted
Surface	UREA Coat, fire retardent

Our Brands

Scanfiber has developed a number of brands based on the different materials the products are made of. The brands indicates the ballistic protection level and is therefore divided into the flexible light-weight solutions or the more massive solutions.

Scanguard™

Customised protective solutions based on solid and rigid materials are branded with the name Scanguard. Examples are:

- Scanguard add-on-armour for armoured vehicles made with a strike face of high grade ceramics or armoured steel
- Scanguard panels for protection of buildings against explosion effects.

Scantex™

Customised protective solutions based on flexible soft materials such as aramide or fibre glass fabrics are branded with Scantex. Examples are:

- Scantex bomb blankets made with aramide fabrics
- Scantex enhanced spall liners used for effective cone reduction in the case of an over match threat.

Scanshock™

Scanfiber has developed a flexible protection system based on a flexible Scantex layer with a shock absorbing and damping material that enhance the survivability of vehicle crew members if subjected to a shock wave from e.g. an improvised explosive device. The protective system is branded Scanshock. Examples are:

- Scanshock floor protection for infantry fighting vehicles

Scanblast™

Scanfiber has developed a protection system that protects against kinetic energy and blast threats from explosions. The system can be used to create a stand-alone protective wall or integrated in buildings for enhanced protection against bomb attacks.

Gallery

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