

ASF Safety Belts

a Brand of ASF Engineering GmbH ©

Maintenance Organisation for General Aviation & Airliner

We, ASF Engineering GmbH, are working for certified companies in the aircraft industry for more than nine years now.

In 2014, we have acquired the machinery, equipment, know-how and stock of the company **LTB Schlemann GmbH**.

We started to provide maintenance for belts for 9g seats (seats belts for statically tested seats, for example TSO-C39a and b), and in the near future we will also provide maintenance for belts of dynamic tested seats. Suitable for the repair of your belts you will receive an **EASA Form 1**.

Our scope includes the repair of pilot and crew seat belts (5- and 4-point belts), passenger seat belts (3- and 2-point seat belts), as well as other straps and cargo nets.

We design both straps, closures and end pieces in surface design as well as lettering, of course in aviation legally permitted scope, according to your requirements.



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Heat & Noise Insulation



We invite you to visit us:



Heat+Noise Insulation

ASF Engineering GmbH

Aircraft Safety Belts

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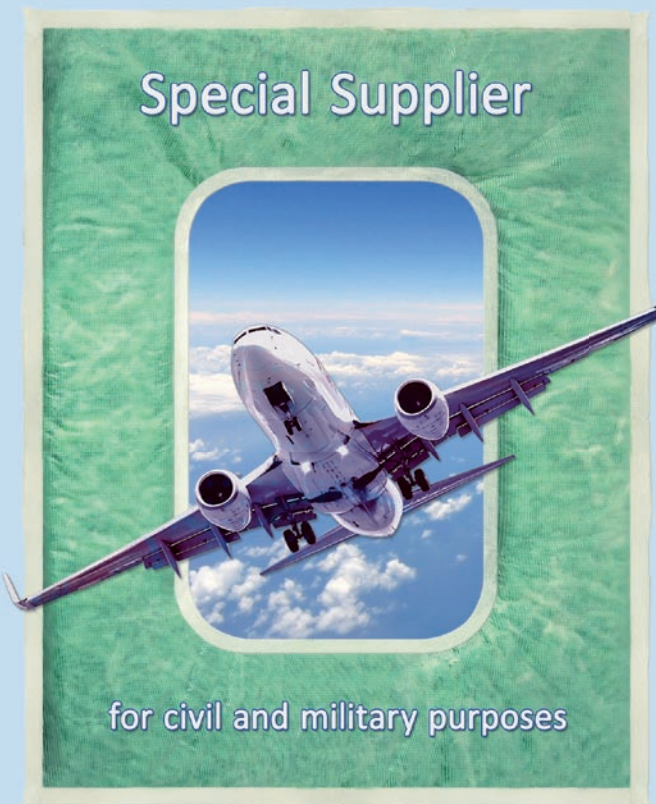
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Heat+Noise Insulation

ASF Engineering GmbH

Aircraft Safety Belts



for civil and military purposes

BELT MAINTENANCE
FREQUENCY ANALYSIS
SOUND ENGINEERING
SPECIAL CONSTRUCTIONS

Insulation specialist for aviation, maritime, land and rail vehicles, used for civilian and military purposes

Heat+Noise Insulation

ASF Engineering GmbH

Aircraft Safety Belts

Heat & Noise Insulation

As an insulation specialist, our company is able to coordinate insulating materials frequency-dependent to one another, so that the acoustic performance and the absorption properties of the sonic event can be optimized.

For certain applications we also use glass-free insulating materials and fleeces, especially appropriate for aviation uses, which are not classified as man-made mineral fibers, and thus can be processed uncomplicated.

For much higher quality demands on the fire properties, these materials can be provided with more powerful fire blockers or treatments.

Many of the materials we use are modified so as not to absorb water.

For military transport aircraft and helicopters we arrange MIL-compliant systems.

Economics: On request, prefabricated or semi-finished products will be developed, which can be installed by the customer himself with minimum energy and effort.

Gradient: Many of our insulation concepts are constructed to dehumidify themselves in direction to the temperature gradient.

Quilted goods: ur quilted insulation for installation on surface interior panels or luggage compartments are, if desired, prepared with metal-coated vapor barriers.

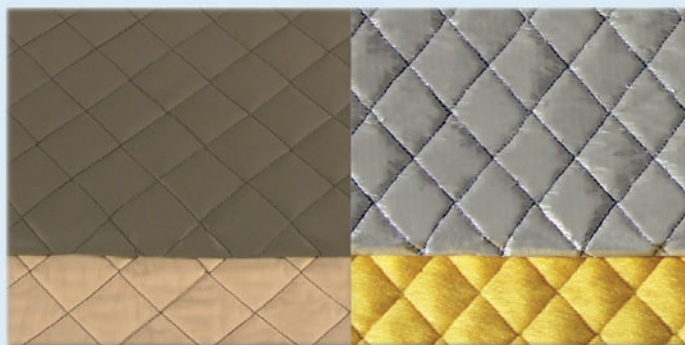
All materials and components we use are REACH compliant (www.reach-info.de).

Our insulation products and systems comply with following rules: **CS/FAR 25.853** - **CS/FAR 25.856** - **ABD 0031** and other.

Insulation packages of glass wool or alternative state of the art materials are provided in different densities and assembled according to the particular sound event.



The foil packages are welded with certified aviation film



Quilted blankets - the picture above shows the front and back side of a classic quilted mat for military helicopters and airplanes.

Its design largely meets the required MIL-standard*.

*The only difference in terms of improvement is the glass-free (KMF free = man-made mineral fibers free) patented high-tech fleece insulation.

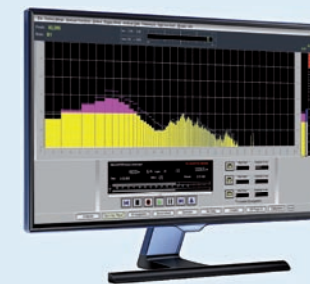
High-tech fibers - according to the application and customer requirements we use a variety of high-tech fibers.



Sound Engineering

With our measurement and analysis methods we optimize insulation particularly for aircraft regarding absorption and low sound transmission. We visualize the noise and affect the sound experience positively.

Localization and visualization of the sound waves according to frequencies:



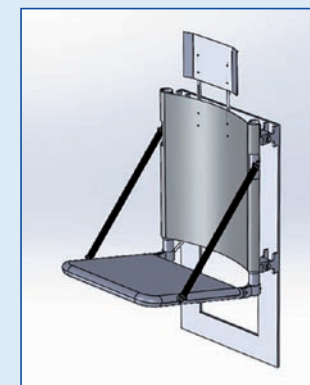
The materials we use are tested frequency dependent on their acoustic performance.

According to the required performance targets by customer order we adapt the materials to their absorption properties.

All materials meet the prescribed standards for both the civil aviation and for MIL.

We investigate machine components such as compressors or fans on their specific sound spectrum. Following this analysis, we propose measures for improvement and corrective actions.

Special Construction



Special seats - For the aviation industry, our company has developed special seats for pilots, crew and technicians (operators).

Similarly, we develop special seats for maritime, land and rail vehicles with properties that counteract an IED (Improvised Explosive Device) incident.

Helicopter squad seat

CFRP - Carbon fiber reinforced plastic components In our manufacturing department we design prototypes by using laboratory-tested material combinations in accordance with customer's requirements also using carbon fiber-reinforced plastic components.

High-tech materials - We develop and manufacture special constructions for aviation, maritime, land and rail vehicles using the latest high-tech materials.