Ensuring the survival of soldiers and operating resources is gaining more and more strategic importance in the face of a changed global security situation with asymmetrical threats.

MEHLER ENGINEERED DEFENCE GMBH offers you ballistic protection systems to NATO standards as well as extensive classifications for sea, air and land applications.

OUR SERVICES INCLUDE:

- Construction of the ballistic protection systems and integration into the weapons systems
- Development of a threat-specific protection system
- Construction with respect to the demands of specific applications (e.g. modular structure, customisation according to specific environmental conditions, fire characteristics, mounting, coating, etc.)
- System and environmental sustainability tests
- Mock-Up Construction
- Examination of construction details through tests series according to customer demands and internal quality control

The services of MEHLER ENGINEERED DEFENCE GMBH entail the development, production, testing and system integration of metallic, polymer and ceramic composite for terminal ballistic protection technologies for military and magisterial use. The systems offer the following characteristics and standards:

STANAG 4569 (as at May 2004)
STANAG 2920 (as at July 2003)
TR Schutzwesten (as at July 2005)
NIJ Standard 01.01.04 (as at June 2001)
PM 2000 (as at January 2002)
TR Durchschusshemmender Schild (as at 1997)
or customer specific threat scenarios

All orders are fulfilled in accordance with the NATO QUALITY ASSURANCE REQUIREMENTS, AQAP 2110 as at November 2009

KONTAKT
CONTACT

MEHLER ENGINEERED DEFENCE GMBH
SALINENWEG 38
D-38364 SCHÖNINGEN
TELEFON (+49) 0 5352 969210-00
FAX (+49) 0 5352 969210-10
info@mehlerdefence.de
www.mehler-engineered-defence.de

LIGHTWEIGHT AIRCRAFT PROTECTION SYSTEMS

„SUPERIOR AIRCRAFT ARMOUR AGAINST AP THREATS“
LIGHTWEIGHT AIRCRAFT PROTECTION SYSTEMS:

Special designed fibre and ceramic based lightweight solutions for aircraft applications

- Available for STANAG 4569 KE Levels 1-3, various multihit capabilities, as well as for customers specific threat scenarios
- Flat design
- Flame resistance according to german airforce requirements (LTF 1500-850)
- G- force proof fastener elements for standard aircraft rail and stud systems
- Suitable for re-fitting of existing weapon systems as well for integration in new developments

TECHNICAL SPECIFICATIONS:

Sample of helicopter protection, threat scenario specific development

SYSTEM AREA DENSITY : 30 kg/m²
THICKNESS : 15 mm
V50 7.62X 51 AP (FN P80) : 630 m/s
V50 5.56X45 (SS109) : 910 m/s

ADDITIONAL SYSTEM PROPERTIES AND OPTIONS

- Night goggle capable
- Pressure resistant up to 80 kg/dcm²
- Resistance against environmental influences
- Compensation capability of structure torsions
- Short setup time, no tools required for mounting

INFO@MEHLERDEFENCE.DE

V50 7,62X 39 API BZ : 630 m/s
TEMPERATURE RANGE : -30°C to +80°C
MULTIHIIT CAPABILITY : STANAG 4596 Annex B, App.2, Table A2.2

Sample of STANAG 4596, KE LEVEL 1 protection

SYSTEM AREA DENSITY : 22 kg/m²
THICKNESS : 23 mm
7,62 NATO : 830 m/s
5,56x45 (M193) : 930 m/s
TEMPERATURE RANGE : -30°C TO + 70°C
MULTIHIIT CAPABILITY : STANAG 4596 Annex B, App.2, Table A2.2

MATERIAL : High performance polyethelene, in housing with glass reinforced fibres or alumina SS109 NOT INCLUDED