

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 PRODUCT LINE XPRO™

For a whole protection concept for today's and tomorrow's threats, Mehler Engineered Defence GmbH offers you the modular and comprehensive product line XPRO with concerted system performances, consisting of:

XPRO™ AO

Add On Systems for metal hull structures

- **BASIC**
Conventional gunfire protection
- **LINER**
Debris an fragment protection
- **MINE**
Mine protection
- **IED**
IED protection

XPRO™ SA

Stand Alone Systems

- **BASIC**
Conventional gunfire protection
- **LINER**
Debris an fragment protection
- **MINE**
Mine protection
- **IED**
IED protection
- **SEA**
Sea platform protection
- **AIR**
Air platform protection

The services of **MEHLER ENGINEERED DEFENCE GMBH** entail the development, production, testing and systems 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

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LAND PLATFORM PROTECTION SYSTEMS

XPRO™ SA

XPRO™ AO

BASIC

LINER

MINE

IED

“EXTENDED SURVIVABILITY”



THE ARMOUR SYSTEM XPRO™

Mehler Engineered Defence's armour systems XPRO™ are available for STANAG 4569 KE Level 1-5 and above, various multihit capabilities or customer specific threat scenarios.

With the product line XPRO-SA™ Mehler Engineered Defence GmbH provides modular stand alone light-weight armour systems for structure giving integration.

In addition to that, Mehler Engineered Defence GmbH covers modular add-on systems with the XPRO-AO™ series including ballistic, liner, mine and IED protection systems.

As your partner for systems integration, Mehler Engineered Defence GmbH provides protected vehicle sub systems like

- Manual weapon stations
- Doors or hatches

These systems include necessary mechanical devices – delivered ready for installation.

The wide-ranging service entails the new development of systems as well as the upgrading and overhaul of existing subsystems for improved protection performances.



TECHNICAL SPECIFICATIONS (INDICATIVE)

XPRO-SA BASIC STANAG 4569 KE LEVEL 1

SYSTEM AREA DENSITY	: 30 kg/m ²
THICKNESS	: 17 mm
TEMPERATURE RANGE	: -30°C TO + 80°C
MULTIHIT CAPABILITY	: STANAG 4569 Annex B, App.2 , Table A2.2

Inhousing with alumina

XPRO-AO BASIC STANAG 4569 KE LEVEL 3 FOR 6MM VEHICLE HULL THICKNESS

SYSTEM AREA DENSITY	: 57 kg/m ²
THICKNESS	: 19 mm
TEMPERATURE RANGE	: -30°C TO + 80°C
MULTIHIT CAPABILITY	: STANAG 4569 Annex B, App.2 , Table A2.2

Inhousing with alumina

ADDITIONAL SYSTEM PROPERTIES

- Shock and acceleration prove fastener system according to MIL STD 810 D
- Vibration resistance according to MIL STD 810 D
- Resistance against environmental conditions (saltwater, rain, dust)
- Modular systems can be upgraded to future threat scenarios
- On demand radar and IR signature reducing layout