

Minesafe - Vehicle Underside Blast Protection



Minesafe system fitted to a soft skinned Landcruiser

Landmines are a problem both in war zones and post conflict areas. Unfortunately they do not know, or care, when peace is declared. They can remain in the ground posing a serious threat for many years.

In areas of active conflict this threat is taken mainly by the military. Post-conflict it will also be shared by the aid agencies, the civil reconstruction effort and the local population.

Whereas anti-personnel landmines can usually be stopped with floor blankets, buried anti-vehicle and anti-tank mines are a much more serious threat and need a higher capability, better engineered solution.

XPT

XPT has been battlefield proven to be a key part of such a system. Used in conjunction with ballistic materials, XPT absorbs and attenuates blast energy, reducing the shock experienced by the vehicle structure and its occupants.

Engineered Solutions

Each vehicle presents specific installation and protection requirements. The experience of SJH Projects in meeting these challenges makes best use of the available materials technology and human survivability factors to engineer practical solutions.

Testing

SJH Projects has extensive experience in coordinating the testing of complete vehicle packages to the latest NATO AEP55 Vol 2 standard. This has become the accepted method a qualifying vehicles for use in areas in which underside blast landmines are a concern.

Flexibility

The flexibility of use of the XPT material in the Minesafe system makes it suitable for use both with armoured and soft skinned vehicles. Where possible the Minesafe system is designed to be a demountable kit permitting access to the underside of the vehicle for maintenance and repair.



Blast testing of a vehicle protection package to AEP55 Vol 2