

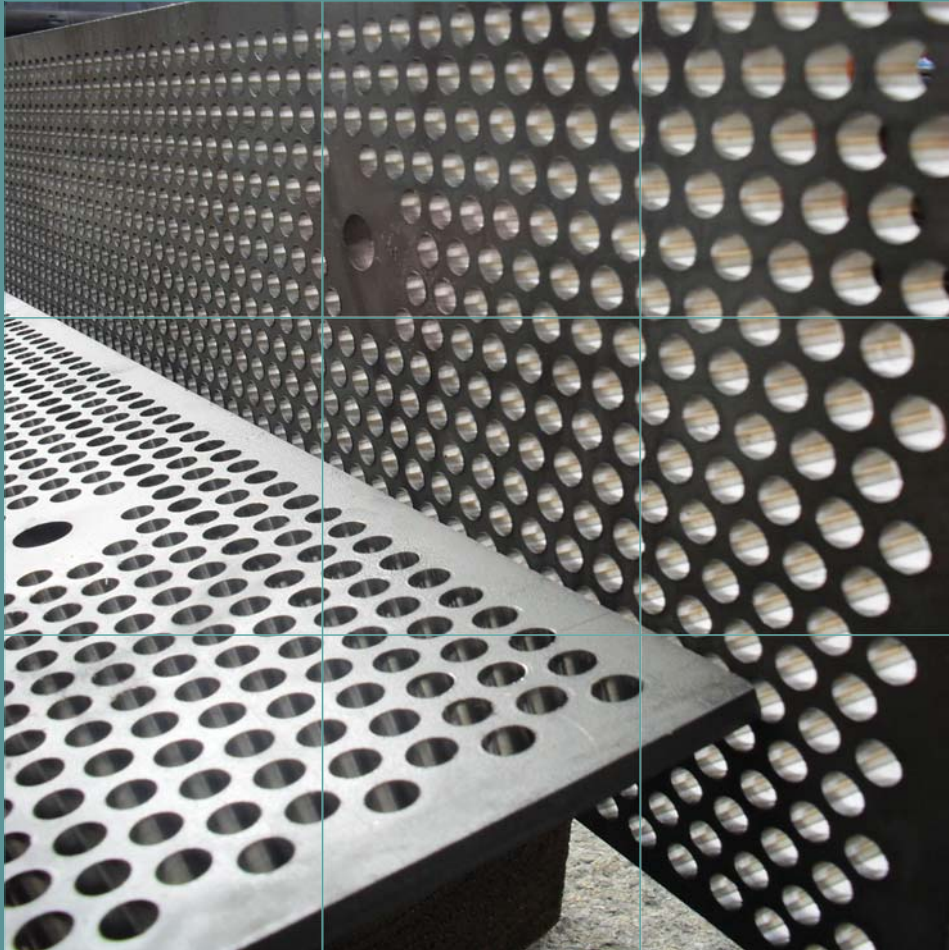
IMPAS

Armoured Protection

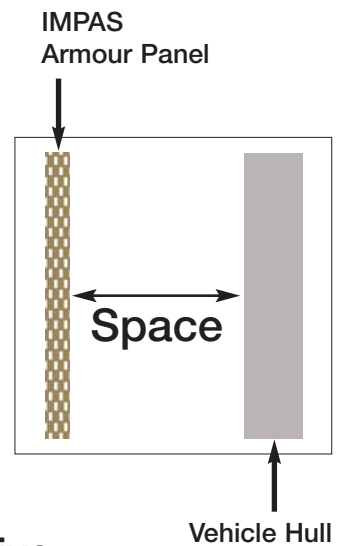
- Stanag Level 1
- Stanag Level 2
- Stanag Level 3

mtl group

Making steel work harder



IMPAS Armoured Protection



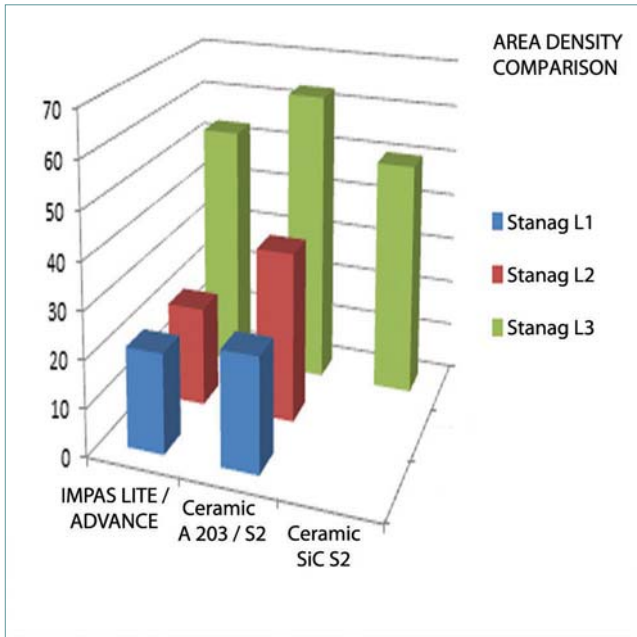
IMPAS LITE and IMPAS ADVANCE offer an effective alternative weight solution to composites for Stanag Level 1, 2 and 3 protection. IMPAS is used as an add-on spaced armour solution with the following benefits:

- Cost effective
- Rapid lead time
- Easy integration
- Improved multi-hit capability
- Bespoke solution to suit needs of any vehicle platform
- Solutions can be designed to meet global threat levels.

Experience.

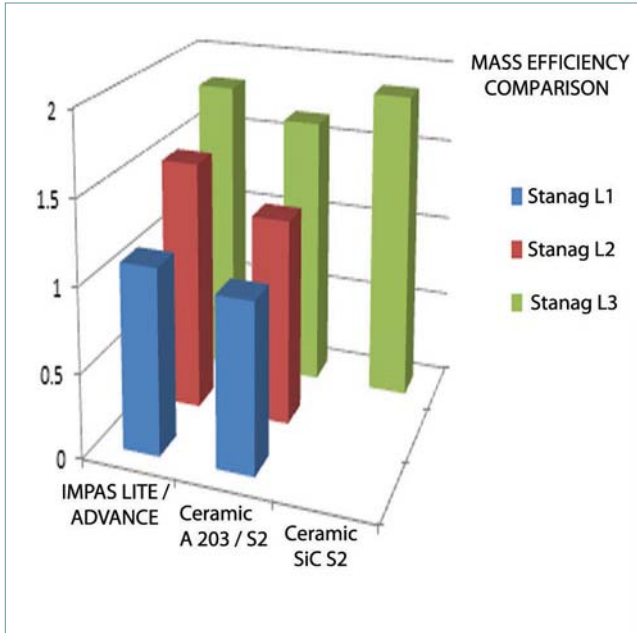
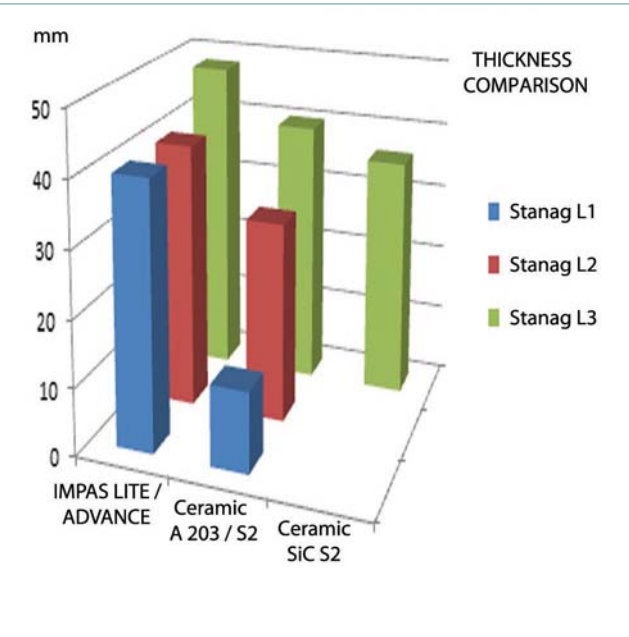
We have vast experience and a global reputation within the defence and homeland security industry supplying kits of parts manufactured from armoured steel.





Area Density Comparison. IMPAS vs. typical Ceramic Composite appliqué based on a 6mm thick SSAB ARMOX 500T hull structure for STANAG 4569 Threat Levels 1, 2 & 3.

Thickness Comparison. Bar graph comparing IMPAS and Ceramic appliqué Thickness against STANAG 4569 Threat Levels 1, 2 & 3.



Mass Efficiency Comparison. Bar graph comparing IMPAS and Ceramic appliqué Mass Efficiency against STANAG 4569 Threat Levels 1, 2 & 3.



IMPAS Applications.
IMPAS has been used for many international military upgrade programmes including the M577 vehicle.



IMPAS Armour.
We can supply bespoke armour panels produced to customer requirements. Parts can be supplied fully machined, painted and complete with fixing kits.

Removable Panels.
Allows user to replace sections damaged in service. The benefit gives a more cost effective solution than the current add on armour in the market.



MTL Group Limited
Grange Lane
Rotherham S60 5AE
United Kingdom

ph. +44 (0)114 261 7979
fx. +44 (0)114 242 5177
contact@mtlgrp.com
www.mtlgrp.com

Ballistic Testing.
Successful tests have been carried out using IMPAS to defeat a range of international threat levels.