

TSP

Defence & Security

Redeployable Hostile Vehicle Mitigation (HVM) Measures



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Introduction

The continued threat from terrorism remains real and credible. Enhanced building stand-off protection to deter attack and reduce consequential loss, particularly from vehicle borne improvised explosive devices (VBIEDs) is increasingly specified for many vulnerable site perimeters. TSP's redeployable perimeter and stand-off protection solutions have been designed to deliver unrivalled protection for people and assets against VBIED attack and explosive blasts. The systems can be deployed quickly with minimal disruption, typically on a short or medium term basis, providing an ideal solution for security sensitive locations or events.

Benefits

Unrivalled protection - against vehicular attack, unauthorised vehicle access and explosive blast.

Flexible configurations - schemes can be designed to meet the needs of a wide range of site parameters.

Rapid deployment - units are transported on flatbed trucks for quick and easy unloading.

Security that blends with the environment - specific colour and traffic management options are available.

Impact and blast effect mitigation - the containment of concrete within the Bi-Steel units prevents the formation of dangerous secondary projectiles.

Ballistics - tested for BR7 for 7.62mm A.P and 12.7mm (0.5cal) A.P with no spall to BS EN 1063.

Applications

TSP Projects' redeployable HVM systems have been installed at a variety of high profile locations and temporary venues. Many of these deployments provide operational continuity at each location. Allowing sites to adapt as changes occur to the threat or site operations. The system provides an effective and highly reliable solution to the client's individual changing needs.



System description

The system incorporates a variety of anti-attack vehicle barriers designed to control or prevent access to security sensitive locations.

The barriers can be painted in a range of colours with a standard or premium high gloss finish.

The highly redeployable nature of the system means it can be put into position quickly and then subsequently moved or reconfigured as the need arises, creating a legacy security solution that can be easily adapted to meet changing client requirements.

System performance

TSP anti-attack vehicle barriers have been extensively tested and meet the requirements of the relevant agencies operating within the security and defence fields.

These tests have included:

- **Vehicle impact** - successfully tested in accordance with PAS68*
- **Blast** - the Bi-Steel panel has been successfully tested against a wide range of blast attacks.

Service offering

TSP Projects delivers peace of mind to our customers by offering a complete turnkey project service, including security reviews, security solution design, project management, installation, maintenance and full after-sales service. Our team is available to assist at all stages of a project.

About Bi-Steel

A British Steel proprietary construction material, Bi-Steel comprises of two steel plates that are connected together to form panels by an array of welded transverse bars. The panels are filled with ready mixed concrete and the resulting composite offers unrivalled protection against explosive blast.

Delivering value to customers

With innovation and continuous improvement at the heart of our business performance, we aim to create value by offering a differentiated product range supported by unrivalled customer service.



*PAS 68 - specification for vehicle security barriers

This Publicly Available Specification (PAS) has been prepared to address the needs of organisations who wish to have assurance that vehicle security barriers will provide the level of impact resistance that they seek. The full PAS classification covers the mass, speed, angle and resulting penetration and dispersion values of an impact test relating to the specified product. See individual product data sheets for detailed PAS classifications of the full range of TSP Projects' Hostile Vehicle Mitigation Measures.