

GATES BARRIERS BLOCKERS | BOLLARDS | PEDESTRIAN

FRONTIER
PITTS



FRONTIER PITTS SECURITY

«BLOCKERS»

BRITISH PERIMETER SECURITY SPECIALISTS

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BLOCKERS

Frontier Pitts manufacture a large portfolio of Hostile Vehicle Mitigation hydraulically driven Terra Blockers:

Terra Shallow Blocker MkII
IWA 14 7.2t @ 80kph (50mph)

Terra Blocker
PAS 68 7.5t @ 50mph (80kph)

Terra Blocker
PAS 68 7.5t @ 30mph (48kph)

Terra Surface Mount Blocker
PAS 68 7.5t @ 50mph (80kph)

Road Blockers offer high security sites an impact-resistant barrier to Hostile Vehicles and Ram-raiding. Such installations include Government sites, Embassies, Airports and Utility sites.

The Road Blocker Top Plate can be finished with Frontier Pitts Lifetime Paint; an anti-skid resistant treatment which has been fully tested under laboratory conditions for at least 12 months.

Terra Shallow Blocker Mk2



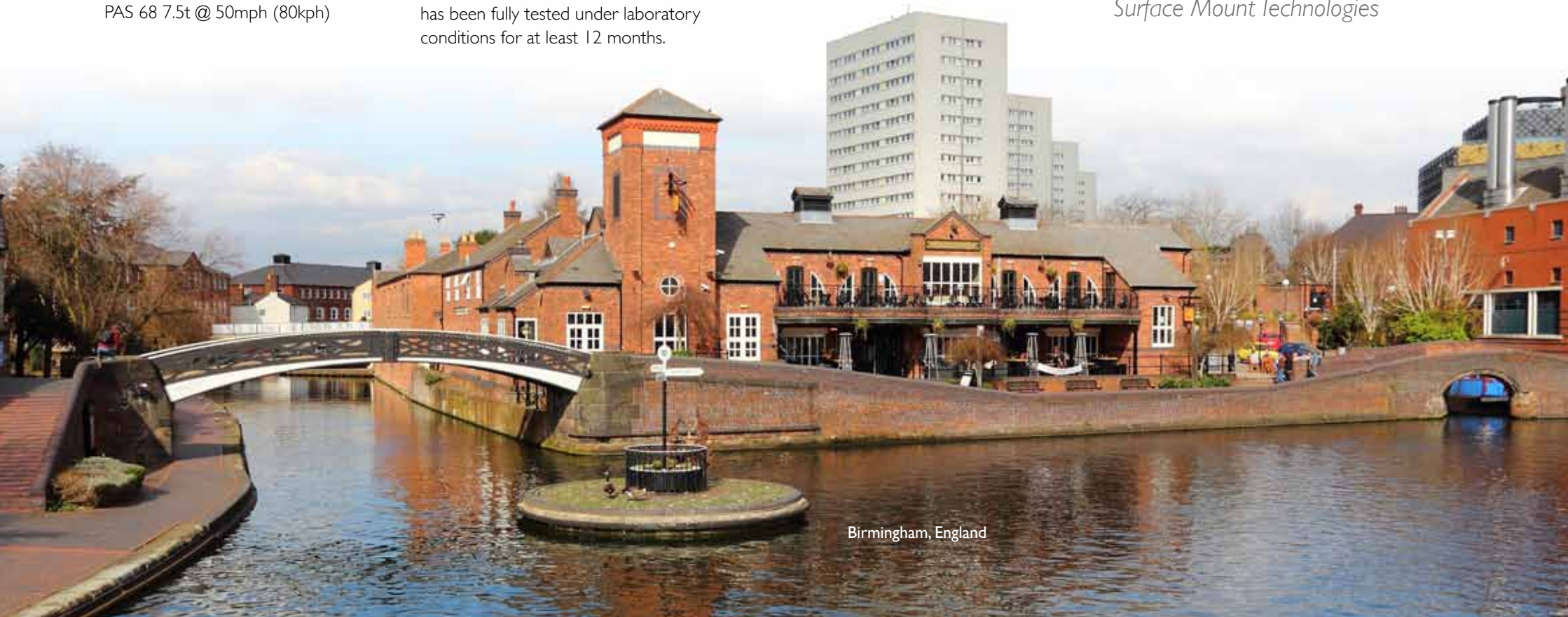
Terra Blocker



Terra Surface Mount Blocker



“Frontier Pitts range of Terra Blockers offer Hostile Vehicle Mitigation with options of Shallow and Surface Mount Technologies”



Birmingham, England

TERRA SHALLOW BLOCKER MK2



BENEFITS & FEATURES

- Impact tested to the International IWA 14 with 7.2t @ 80kph (50mph) – resulting in zero penetration
- Shallow blocker, ideal for inner city sites. Foundation type B of only 300mm required
- Designed for ease of installation and maintenance
- Hydraulically operated, three phase supply
- Lifetime Paint; Anti skid resistant coating on top plate
- Instantly reversible, 100% duty rated motor
- Concertina safety skirt to prevent potential trapping areas
- Control cabinet recommended to be installed within 10 metres of unit

OPERATING SPEED

- Typical speeds of 4-6 seconds *
- EFO (extra fast operation) in up to 2-3 seconds (depending on configuration)

OPTIONS

- Accumulator or manual hand pump allow a number of operations in power failure mode
- In the event of Power Failure options of Fail Secure (remain in the raised position) or Fail Safe (remain in the lowered position)
- High Security Cabinet
- Can be interfaced to any access control systems
- 100/200mm Traffic Light System

SAFETY

- Vehicle detector loops
- Safety photocell beams

CIVIL REQUIREMENTS

Shallow embedment depths of 300mm

Note: Power and control wiring ducts may be required

Control Cabinet Foundation (millimetres)

L: 600 x W: 900 x D: 300

ELECTRICAL REQUIREMENTS **

- Three Phase Supply

* Depending on configuration

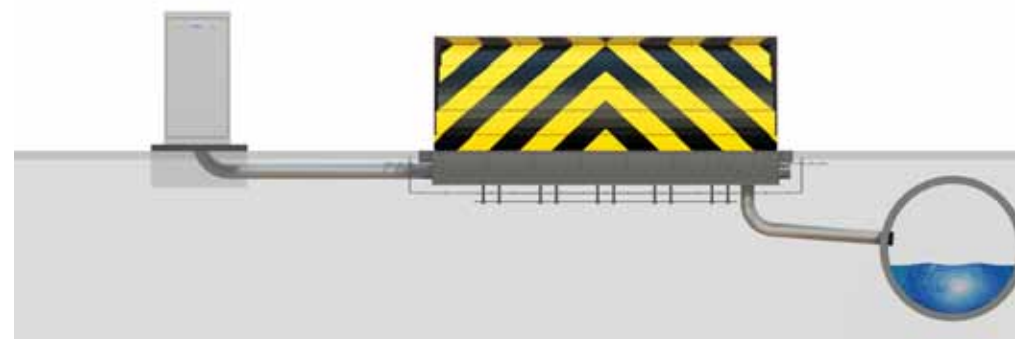
** This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453



The HVM blocker successfully impact tested to the International IWA 14 specification stopping 7.2t @ 80kph (50mph), resulting in zero penetration. The Shallow Blocker remained fully functional after impact.

- Shallow Embedment Depths of 300mm - Type B
- Widths up to 4000mm, securing apertures of 5800mm

Tested dimensions: width 3000mm, lift height 1000mm



PSSA
Verification Scheme

TERRA BLOCKER



The HVM Blocker has been successfully impact tested to PAS 68 with 7.5t @ 30mph resulting in zero penetration, and 7.5t @ 50mph. Widths up to 5000mm, securing apertures of 7400mm.

- PAS 68 Terra Blocker 7.5t @ 30mph V/7500[N2]/48/90:0.0/0.0
Tested dimensions: **width 3000mm, lift height 810mm**
- PAS 68 Terra Blocker 7.5t @ 50mph V/7500[N3]/80/90:4.0/25.0
Tested dimensions: **width 2500mm, lift height 950mm**

DIFFERENT MODELS

- **PAS 68 Terra Blocker MkII 7.5t @ 30mph**
Zero Penetration
V Road Blocker 7500[N2]/48/90:0.0/0.0
Tested dimensions: width **3000mm**, lift height **810mm**
- **PAS 68 Terra Blocker MkII 7.5t @ 50mph**
V Road Blocker 7500[N3]/80/90:4.0/25.0
Tested dimensions: width **2500mm**, lift height **950mm**
- **K12 L3 Terra Blocker: 6.8t Truck at 80kph (50mph)**
Zero Penetration
Tested dimensions: width **2500mm**, lift height **810mm**

BENEFITS & FEATURES

- Successfully impact tested to PAS 68 and K12
- Lifetime Paint; Anti skid resistant coating on top plate
- Designed for ease of installation and maintenance
- Hydraulically operated, three phase supply
- Instantly reversible, 100% duty rated motor
- Control cabinet recommended to be installed within 10 metres of unit

OPERATING SPEED

- Typical speeds of 4-6 seconds *
- EFO (extra fast operation) in up to 2-3 seconds (depending on configuration)

OPTIONS

- Accumulator or manual hand pump allow a number of operations in power failure mode
- In the event of Power Failure options of Fail Secure (remain in the raised position) or Fail Safe (remain in the lowered position)
- High Security Cabinet
- Can be interfaced to any access control systems
- 100/200mm Traffic Light System

SAFETY

- Vehicle detector loops
- Safety photocell beams

CIVIL REQUIREMENTS

Based on a 3000mm width blocker (millimetres)
L: 2200 x W: 4000 x D: 935

Control Cabinet Foundation (millimetres)
L: 600 x W: 900 x D: 300

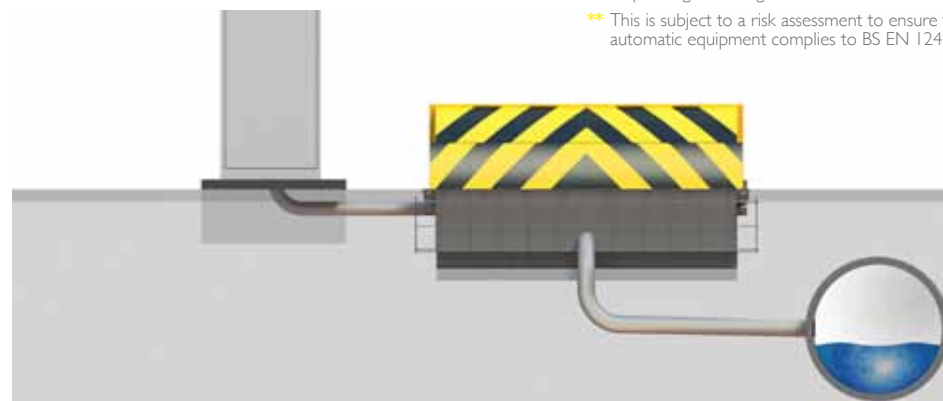
Note: Power and control wiring ducts required

ELECTRICAL REQUIREMENTS **

- Three Phase Supply

* Depending on configuration

** This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453



PSSA
Verification Scheme

TERRA SURFACE MOUNT BLOCKER



BENEFITS & FEATURES

- Impact tested to the British PAS 68 with 7.5t @ 50mph (80kph)
- Surface Mounted Technology – no foundations required. Foundation Type Ap
- Designed for ease of installation and maintenance
- Hydraulically operated, three phase supply
- Lifetime Paint; Anti skid resistant coating on top plate
- Instantly reversible, 100% duty rated motor
- Concertina safety skirt to prevent potential trapping areas
- Control cabinet recommended to be installed within 10 metres of unit

OPERATING SPEED

- Typical speeds of 4-6 seconds *
- EFO (extra fast operation) in up to 2-3 seconds (depending on configuration)

OPTIONS

- Accumulator or manual hand pump allow a number of operations in power failure mode
- In the event of Power Failure options of Fail Secure (remain in the raised position) or Fail Safe (remain in the lowered position)
- High Security Cabinet
- Can be interfaced to any access control systems
- 100/200mm Traffic Light System

SAFETY

- Vehicle detector loops
- Safety photocell beams

CIVIL REQUIREMENTS

- Minimum Depth of 150mm (Note: Power and control wiring ducts may be required)
- Control Cabinet Foundation L:600mm x W:900mm x D:300mm

ELECTRICAL REQUIREMENTS **

- Three Phase Supply

* Depending on configuration

** This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453



The HVM Surface Mount Blocker has been successfully impact tested to BSi PAS 68 specification with 7.5t @ 50mph (80kph). On impact the blocker stopped the vehicle within the aperture.

- Surface Mounted Technology – no foundations required.
- Foundation Type Ap
- Widths up to 4000mm, securing apertures of 5800mm

Tested dimensions: width 2500mm, lift height 1100mm



PSSA
Verification Scheme