

bristorm Barrier

The Bristorm Barrier is a combination of an anti-vehicle barrier and a highway barrier.

The inherent strength required for traditional security barriers to be effective results in rigid structures that are hazardous to normal road users. The normal result is that additional safety measures need to be introduced.

The Bristorm Barrier offers a simple alternative.

Developed from the Zoneguard highway barrier, the Bristorm Barrier can be deployed quickly and bolted in place before filling with the ballast water. The addition of water enables the Bristorm Barrier to absorb perpendicular impacts. Since the water is added after the barrier is fixed into position the need for heavy lifting equipment is avoided.

Supplied in 12 metres lengths that weigh less than 1200kg, the barrier is quickly installed and filled.

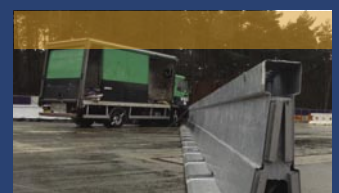
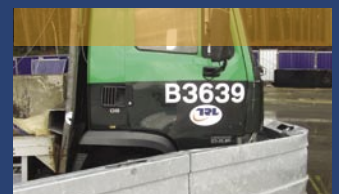
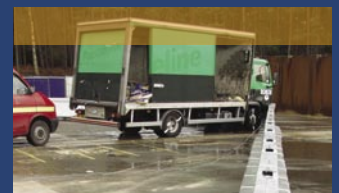
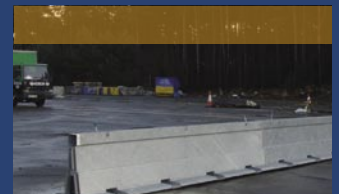
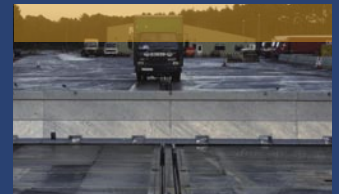
The Bristorm Barrier requires relatively small foundations. Widely spaced concrete pads to secure the anchors are all that is required.

SPECIFICATION

- Bristorm Barrier tested to BSI PAS 68
- Vehicle impact at 90° to Barrier
- Bristorm Barrier withstands attack by 7500 kg truck travelling at 30 mph

THE BENEFITS

- Fast to install
- Easy to handle modular barrier
- Minimal maintenance
- Galvanised to EN ISO 1461:1999 for corrosion protection



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DESIGN SPECIFICATION

Bristorm Barrier can be used as a temporary or permanent anti vehicle barrier, as well as a highway barrier.

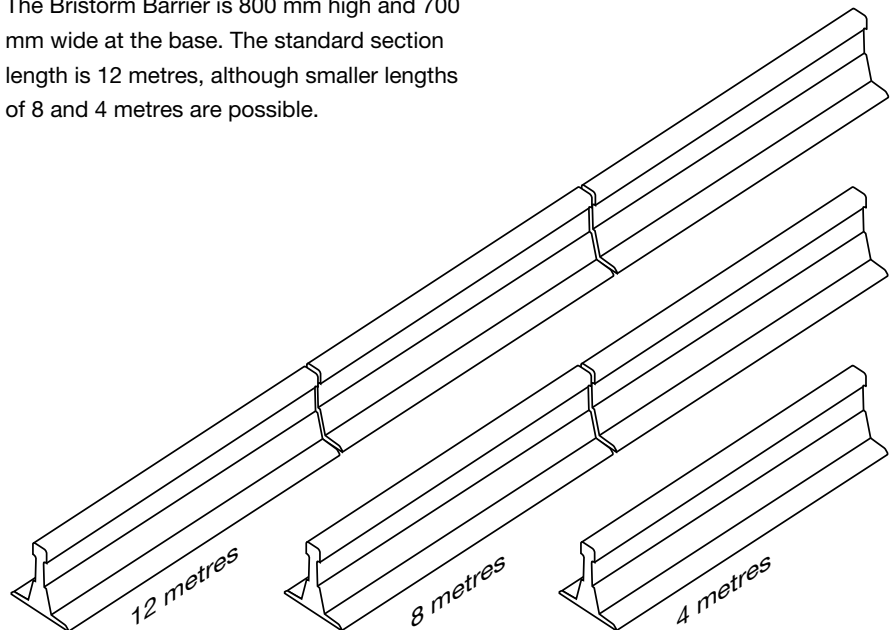
The standard foundation is a concrete pad 1.6 m x 1.3 m x 0.5 m deep spaced at 12 m centres. The concrete should be grade C40, but requires no reinforcement. Alternative foundation designs can be provided.

The standard ballast option is water. Each section of Bristorm Barrier contains several water bags. Filling can commence once a section is fixed down, and can continue throughout the fixing/installation process. In tests, a 3 man installation team was able to install and fill over 200 metres of Bristorm Barrier onto prepared foundations in a 12 hour period.

Water is recommended as a ballast media since it is readily available, easy to handle and harmless. For long term installations additives may be required to prevent the water becoming stagnant.

Fencing can be attached to the top of the Bristorm Barrier to allow it to act as a Barrier to vehicles and pedestrians. Anti personnel fence options include palisade and weld mesh panels.

The Bristorm Barrier is 800 mm high and 700 mm wide at the base. The standard section length is 12 metres, although smaller lengths of 8 and 4 metres are possible.



BRISTORM BSI PAS 68 TESTING

Bristorm fences have been successfully tested to BSI PAS 68 and achieved the following classifications:

Bristorm Barrier

Fence V / 7500 / 48 / 90 : 9.3 / 0.0

