A VERSATILE MULTI-PURPOSE BARRIER

A high performance barrier to provide work-zone protection to temporary construction sites and other roadside activities

How it Works

The water-filled nature of the ArmorZone™ barrier simplifies its deployment and transportation while increasing safety during the installation process as the empty barriers only weigh 50 kg and are easily handled by two operators.

The ArmorZone™ barrier has been crash tested at 70 km/h as a longitudinal barrier with terminal ends and accepted by NZTA as a “temporary system”. Upon impact with a wide range of vehicles ArmorZone™ safely re-directed them from impact at angles up to 25° and speeds up to 80 km/h (EN1317, TB31, N1). Safe and predictable trajectories were observed during the tests.

ArmorZone™ deployment involves interlocking the 2.16 m long units with a unique connecting pin and filling each barrier with 520L of water. ArmorZone™ can be deployed straight or with low curvature, on either roadside or median applications, in speed zones up to 70 km/h. The ArmorZone™ barrier has many advantages in the market place including high durability, high performance, fast (and safe installation) at a very competitive cost.

Features & Benefits

- Excellent work zone barrier protection
- Exceptionally good vehicle control and low deflection
- Simple to use end treatment available
- Easy install and transportation
- Optional water level indicator
- Smooth surfaces and geometry, more forgiving on vulnerable road users
- No external or internal steel structure
- Container “friendly” dimensions allow for effective shipping (84 units fit in a 40’ container)
- Optional Water-Opening-Screen to prevent rubbish disposal in barriers
- Stabilised HDPE modules strong enough to absorb nuisance impact without repair
- Environmentally friendly – 100% recyclable
- 120m/h deployment rate
ArmorZone™ is accepted by NZTA as a “temporary system”. It has been designed with ease of deployment and removal in mind. It excels in durability while performing with a very competitive deflection in its market category. All this being possible due to its unique HDPE formula which places ArmorZone™ in a league of its own as the ideal temporary barrier for the civil construction market.

**Specifications**

- **Overall Length**: 2160mm (effective 2000mm)
- **Height**: 870mm
- **Width**: 450mm
- **Material**: HD Stabilised PE (UV8)
- **Connecting Pin**: Galvanised Steel
- **Weight**: 50kg (570kg when full)
- **Water Required**: 520L (per unit)
- **Deflection**: 1.5m (50 km/h)/2.1m (70 km/h)
- **Leading point of need**: 16m

**Features**

- N1 work zone barrier protection
- Exceptionally good vehicle control and low deflection
- Easy install and transportation
- Water level indicator available (accessory)
- Smooth surfaces and geometry, more forgiving on vulnerable road users
- No internal or external steel structures
- Container “friendly” dimensions allow for effective shipping (83 units fit in a 40’ container)
- Water-Openning-Screen (accessory to prevent rubbish disposal in barriers)
- Stabilised HDPE modules strong enough to absorb nuisance impact without repair
- Environmentally friendly – 100% recyclable
- 120 m/h deployment rate

**Overview**

ArmorZone™ N1 barrier is a high performing plastic water filled barrier designed to provide work zone barrier protection to temporary construction sites and other miscellaneous roadside activities. The water-filled nature of the barrier simplifies its deployment and transportation while increasing safety during the installation process as the empty barriers only weighs 50 kg and are easily handled by two operators.

The ArmorZone™ barrier has been designed, tested and accepted to EN1317 Standard for Road Restraints Systems. Upon impact with a 1500kg vehicle ArmorZone™ safely re-directed it from an impact angle of 20° and at a speed of 80 kph. Safe and predictable trajectories were observed during the tests.

ArmorZone™ deployment involves interlocking the 2m long units with a unique ‘twin pin’ connecting rod and filling each barrier with 520L of water. ArmorZone™ can be deployed straight or with low curvature, on either roadside or median applications.

The ArmorZone™ barrier has many advantages in the market place including high durability, high performance, fast (and safe) installation at a very competitive cost.