



Armorzone TL2 Plastic Barrier

ArmorZone TL-2 Plastic Barrier a 100% polyethylene water filled barrier (no steel reinforcement) to have been judged to have satisfied the evaluation criteria of NCHRP 350 Test Level 2 (TL-2). The polyethylene composition, profile design and steel pin connector allow the barrier to be installed straight or curved.

ArmorZone TL-2 Plastic Barrier made up of plastic units that are joined together using a steel pin connector and filled with water. This provides a positive work zone barrier protection to temporary construction sites and other miscellaneous roadside activities.

The ArmorZone End Treatment is a free standing 'special' end unit that can be fitted to the barrier in a tangent position if required. If this end treatment is not used the barrier will need to be flared. In-service impact deflection in excess of the test values indicated below must be allowed for in any temporary traffic management plan utilising the ArmorZone TL-2 Plastic Barrier System.

All relevant minimum requirements of CoPTTM in regard to working spaces and safety zones must be met irrespective of the variant in use, in particular the test level of the system must meet or exceed the test level required for the operating speed of the adjacent traffic.

Dimensions	2m length unit 450mm width (base)
Weight:	50kg (empty), 550kg (filled)
Minimum Length	50m (2 End Treatments and 23 units)
Length of Need	16m (8 units)
Minimum Radius	28m
Clear Area	2.1m behind the barrier 6m x 22.5m clear area for the end treatment to enable the system to gate if hit downstream from the head
Grade or Placement Restrictions	<ul style="list-style-type: none"> – A maximum approach and cross slope of 1V:10H is preferable. On slopes greater than this approval is required from the road controlling authority. – Do not install in front, behind or on a curb. Approval is required from the road controlling authority otherwise.

Deflections	2.1m from rear edge of barrier (70 km/h, 2000kg vehicle, 25° angle).
Water Fill Hole Diameter	125mm
Water Fill Capacity	520L
Other Restrictions/Considerations	<ul style="list-style-type: none"> · All units must be connected with the appropriate steel connecting pin and filled with water when in use. · The adjacent road operating speed must be limited to 70 km/h and the installation should endeavour to minimise the impact angles to 25° (1 lateral: 2.14 forward). · The ArmorZone TL2 End Treatment forms an integral part of this system and MUST be installed and maintained in accordance with the product installation/maintenance manual and relevant NZ Transport Agency specifications. · Should the end treatment component of this system NOT be fitted, the barrier system will be considered non-conformant with the Interim Acceptance notice. · Site specific grading may be necessary to ensure that there are no "humps" or "hollows" that may significantly alter the impacting vehicles stability or substantially alter the barrier height in relation to the ground.

Other Considerations

- ·ArmorZone is a stand-alone barrier and does not require at any stage during installation that the surrounding soil be dug or drilled in anyway.
- ·ArmorZone barrier can be used in both "roadside" and 'median' applications.
- It is recommended ArmorZone systems be installed on a compacted surface.
- There are no tools required to install the components of ArmorZone. The units can be manually lifted and positioned by two personnel
- Ensure that sufficient width and traffic control is available before installing ArmorZone.
- Depending on location, delineation may be required as per the Road Controlling Authority guidelines